

ANNUAL REPORT OF
THE DIRECTOR OF THE MINT

FOR THE FISCAL YEAR ENDED JUNE 30
1950

INCLUDING REPORT ON
THE PRODUCTION OF THE
PRECIOUS METALS

FOR THE CALENDAR YEAR
1949



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Director of the Mint

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**REPORT OF THE DIRECTOR OF THE MINT ON THE
OPERATIONS OF THE MINT SERVICE
FOR THE FISCAL YEAR 1950**

▼

ALBEN W. BARKLEY GOLD MEDAL



OBVERSE



REVERSE

ANNUAL REPORT OF THE DIRECTOR OF THE MINT

TREASURY DEPARTMENT,
BUREAU OF THE MINT,
Washington, D. C., August 11, 1950.

SIR: In compliance with the provisions of section 345 of the Revised Statutes of the United States, I have the honor to submit herewith a report covering the operations of the mints, assay offices, and bullion depositories of the United States for the fiscal year ended June 30, 1950, being the Seventy-eighth Annual Report of the Director of the Mint. There is also submitted for publication in connection therewith the annual report of this Bureau upon the production and consumption of the precious metals in the United States for the calendar year 1949.

OPERATIONS OF THE MINTS, ASSAY OFFICES, AND BULLION DEPOSITORIES

The principal functions of the Bureau of the Mint consist of the manufacture of domestic and foreign coins; the acquisition of gold and silver, payments for which are made on the basis of mint assays; the safeguarding of the Government's holdings of the monetary metals, including coins in processing stages until finished and issued; the refining of gold and silver; the administration of regulations pertaining to gold and silver, including the issuance of licenses for the acquisition, ownership, possession, use, and exportation of gold for industrial, professional, and artistic purposes; and the production of medals and other decorations.

The Office of the Director of the Mint in Washington administers all activities of the Bureau of the Mint. During the fiscal year 1950 seven field institutions were in operation: Coinage mints at Philadelphia, San Francisco, and Denver; assay offices at New York City and Seattle; gold bullion depository at Fort Knox, Ky.; and silver bullion depository at West Point, N. Y., which is an adjunct of the New York Assay Office. Electrolytic refineries are maintained at the San Francisco, Denver, and New York City institutions. The medal and engraving departments are located at the Philadelphia Mint. At the close of the fiscal year 1950 the number of employees of the departmental and field institutions totaled 943 compared with 1,272 at the beginning of the year.

Domestic coinage.—Production of United States coins during the fiscal year 1950 totaled 497,271,759 pieces with a value of \$22,107,-498.66.

The gross weight of the coins totaled 2,056 tons. Subsidiary silver coins consumed 10,779,819 fine ounces (370 tons) of silver. Minor coins consumed 1,484 tons of copper, 98 tons of nickel, and 63 tons

of zinc and tin. Production of each mint is shown in the following table:

United States coinage during the fiscal year 1950

Denomination	Philadelphia	San Francisco	Denver	Total value	Total pieces
SILVER					
Half dollars ¹	\$3, 253, 463. 50	\$2, 128, 045. 50	\$2, 677, 602	\$8, 059, 111. 00	16, 118, 222
Quarter dollars.....	2, 890, 548. 50	432, 000. 00	662, 200	3, 984, 748. 50	15, 938, 994
Dimes.....	530, 257. 30	1, 351, 000. 00	977, 000	2, 858, 257. 30	28, 582, 573
Total silver.....	6, 674, 269. 30	3, 911, 045. 50	4, 316, 802	14, 902, 116. 80	60, 639, 789
MINOR					
Five-cent pieces (cupro-nickel).....	2, 516, 577. 70	-----	1, 032, 250	3, 548, 827. 70	70, 976, 554
One-cent pieces (bronze).....	1, 732, 404. 16	588, 600. 00	1, 335, 550	3, 656, 554. 16	365, 655, 416
Total minor.....	4, 248, 981. 86	588, 600. 00	2, 367, 800	7, 205, 381. 86	436, 631, 970
Total domestic coinage.....	10, 923, 251. 16	4, 499, 645. 50	6, 684, 602	22, 107, 498. 66	497, 271, 759

¹ Includes 536,099 Booker T. Washington commemorative half dollars.

Foreign coinage.—Coins produced for seven other governments during the fiscal year 1950 totaled 94,267,944 pieces containing 873 tons of metals. These included silver, copper, nickel, zinc, and tin. Details of production are shown in the following table:

Coinage by the United States mints for other countries during the fiscal year 1950

Country and denomination	Composition	Gross weight per coin	Coinage by mint at—			
			Philadel- phia	San Fran- cisco	Denver	Total
China: Dollar.....	880 silver, 120 copper.....	Grains 412	Pieces 10, 300, 000	Pieces 3, 200, 000	Pieces 4, 140, 000	Pieces 17, 640, 000
El Salvador: 5 centavos.....	70 copper, 18 zinc, 12 nickel.	77. 16	-----	2, 000, 000	-----	2, 000, 000
Ethiopia:						
10 cents.....	95 copper, 5 zinc.....	94	16, 000, 000	-----	-----	16, 000, 000
5 cents.....	do.....	62	16, 000, 000	-----	-----	16, 000, 000
Total.....	-----	-----	32, 000, 000	-----	-----	32, 000, 000
Haiti:						
10 centimes.....	75 copper, 25 nickel.....	61. 73	5, 000, 000	-----	-----	5, 000, 000
5 centimes.....	do.....	42. 44	10, 000, 000	-----	-----	10, 000, 000
Total.....	-----	-----	15, 000, 000	-----	-----	15, 000, 000
Honduras:						
5 centavos.....	75 copper, 25 nickel.....	77. 16	2, 000, 000	-----	-----	2, 000, 000
2 centavos.....	95 copper, 5 zinc and tin.....	46. 30	3, 000, 000	-----	-----	3, 000, 000
1 centavo.....	do.....	30. 86	4, 000, 000	-----	-----	4, 000, 000
Total.....	-----	-----	9, 000, 000	-----	-----	9, 000, 000
Mexico: 1 peso.....	902. 7 silver, 97. 3 copper.....	417. 81	-----	750, 000	-----	750, 000
Venezuela:						
$\frac{3}{4}$ bolivar.....	835 silver, 165 copper.....	19. 29	-----	4, 477, 944	-----	4, 477, 944
$12\frac{1}{2}$ centimos.....	75 copper, 25 nickel.....	77. 16	-----	6, 000, 000	-----	6, 000, 000
5 centimos.....	do.....	38. 58	-----	7, 400, 000	-----	7, 400, 000
Total.....	-----	-----	17, 877, 944	-----	-----	17, 877, 944
Grand total.....	-----	-----	66, 300, 000	23, 827, 944	4, 140, 000	94, 267, 944

Issue of domestic coins.—United States coins issued by the mints during the fiscal year totaled 500,914,823 pieces with a value of \$31,261,074.82. Denominations were as follows:

Denomination	Number of pieces issued	Face value
Silver dollars.....	5, 951, 406	\$5, 951, 406.00
Half dollars.....	10, 574, 887	5, 287, 443.50
Quarter dollars.....	31, 210, 850	7, 802, 712.50
Dimes.....	65, 784, 522	6, 578, 452.20
5-cent pieces.....	44, 178, 226	2, 208, 911.30
1-cent pieces.....	343, 214, 932	3, 432, 149.32
Total.....	500, 914, 823	31, 261, 074.82

Stock of coins.—The estimated stock of coins in the United States as of June 30, 1950, totaled \$1,872,619,658, of which \$492,582,858 were silver dollars, \$1,001,573,600 were subsidiary coins, and \$378,463,-200 were minor coins.

Medals.—The number of service medals and other distinguishing devices delivered to the Department of Defense and other Government departments and agencies totaled 29,570 during the fiscal year 1950. In addition, there were 6,073 medals sold to the public.

The outstanding medal made during the year was the gold medal, authorized by Congress, honoring Vice President Alben W. Barkley. An illustration of this medal appears opposite page 1 of this report.

Engraving department.—During the fiscal year 1950 the engraving department issued a total of 4,361 coinage dies, of which 3,517 were domestic and 844 were foreign dies.

Bullion deposit transactions.—Bullion deposit transactions at the mints and assay offices totaled 10,589, including 16 intermint transfers during the fiscal year 1950. These transactions required a total of 17,905 assay determinations, including 638 determinations for intermint transfers.

Acquisitions of gold.—Deposits and purchases of gold during the fiscal year totaled \$585,760,504.89, classified as follows:

[On quantity basis, see Bases Used for Mint Service Statistics]	Value
Purchases at \$20.67 + per fine ounce.....	\$2, 412. 48
Increment to \$35 per fine ounce.....	1, 673. 45
Purchases at \$35 per fine ounce.....	572, 191, 745. 88
Domestic coin transferred (melted).....	257, 993. 35
Intermint transfers.....	13, 306, 679. 73
 Total value at \$35 per ounce.....	585, 760, 504. 89

Acquisitions of silver.—During the fiscal year deposits and purchases of silver totaled 107,885,995 fine ounces, classified as follows:

[On quantity basis, see Bases Used for Mint Service Statistics]	Number of fine ounces
Newly mined domestic silver.....	38, 228, 805
Silver contained in gold deposits, etc.....	95, 326
Silver received in exchange for Government-stamped bars.....	380, 883
Recoinage bullion from uncirculated subsidiary coin.....	1, 860, 299
Recoinage bullion from uncirculated silver dollars.....	205, 400
Intermint transfers of silver.....	117, 373
Deposits of silver in trust by foreign governments.....	11, 991, 097
Redeposits ¹	55, 006, 812
 Total.....	107, 885, 995

¹ Consists of Treasury stock previously held by certain agencies of the Federal Government.

Refinery production of gold and silver.—During the fiscal year the refineries produced 2,267,708 fine ounces of gold and 2,317,468 fine ounces of silver by the electrolytic process. In addition, 3,078,190 fine ounces of gold and silver were subject to fire process only.

Issue bars manufactured.—The mints and assay offices manufactured a total of 79,899 issue bars containing 18,179,815 fine ounces of gold and a total of 1,197 issue bars containing 310,343 fine ounces of silver during the fiscal year.

Stock of unrefined bullion.—At the close of the fiscal year the stock of unrefined bullion at the mints and assay offices, in terms of the assayed fine metal content, amounted to 953 tons of gold and 510 tons of silver.

Monetization of silver bullion.—Silver certificates in the amount of \$34,275,555 were issued by the Treasury during the fiscal year against 26,510,000 fine ounces of silver bullion valued at \$1.29+ per fine ounce, the statutory monetary value of silver. Seigniorage, representing the difference between the cost and the monetary value of silver, amounted to \$11,026,197.04.

Sales of gold and silver for industrial use.—Sales of gold bars to licensed purchasers for industrial, professional, and artistic use totaled \$82,724,085.89 during the fiscal year. There were no sales of silver under the act of July 31, 1946 (60 Stat. 750) during the period. Sales of gold, by month, during the fiscal year 1950, were as follows:

[On value basis, see Bases Used for Mint Service Statistics]

Month	Value of gold bars issued	Month	Value of gold bars issued
1949:		1950:	
July.....	\$4,076,225.42	January.....	\$7,106,230.21
August.....	10,647,513.49	February.....	5,978,766.96
September.....	11,124,872.74	March.....	4,414,414.39
October.....	11,558,868.47	April.....	3,635,490.33
November.....	9,051,202.69	May.....	2,818,062.61
December.....	6,789,276.86	June.....	5,523,162.72
		Total.....	82,724,085.89

Stock of monetary bullion.—The United States stock of gold bullion held by the mint institutions totaled 692,304,800 fine ounces valued at \$24,230,633,002 on June 30, 1950. On the same date the mint institutions held 1,151,473,202 fine ounces of silver bullion and, in addition, 180,714,089 fine ounces of silver bullion in special custody account for the Treasurer of the United States. This latter class of silver was formerly held by the Office of Reconstruction Finance Corporation, and is being melted and cast into regular mint bars over a period of time.

Receipts and disbursements of gold bullion.—Receipts and disbursements of gold bullion during the fiscal year 1950, and balances on hand June 30, 1950, as compared with June 30, 1949, are shown in the following table:

Institution	Balance on hand June 30, 1949	Receipts during fiscal year 1950 (details below) ¹	Total	Disburse- ments during fiscal year 1950 (details below) ¹	Balance on hand June 30, 1950
Philadelphia.....	\$2, 508, 838. 05	\$4, 200, 004. 35	\$6, 717, 832. 40	\$2, 745, 407. 51	\$3, 972, 524. 80
San Francisco.....	476, 205, 581. 57	32, 756, 856. 44	508, 982, 438. 01	839, 486. 21	506, 122, 951. 80
Denver.....	5, 754, 736, 869. 13	22, 312, 925. 64	5, 777, 049, 794. 77	2, 941, 329. 89	5, 774, 108, 464. 88
New York.....	5, 748, 340, 090. 06	429, 984, 426. 98	6, 178, 324, 517. 04	718, 049, 517. 41	5, 400, 274, 999. 63
Seattle.....	950, 004. 19	8, 791, 801. 48	9, 780, 805. 67	9, 012, 105. 14	738, 700. 53
Fort Knox.....	12, 483, 415, 360. 28	-----	12, 483, 415, 360. 28	-----	12, 483, 415, 360. 28
Total.....	24, 466, 165, 743. 28	498, 055, 104. 89	24, 964, 220, 848. 17	733, 587, 846. 16	24, 230, 633, 002. 01

¹ Includes transfers.

DETAILED RECEIPTS OF GOLD BULLION

Institution	Deposits (including melted coin)	Surplus bullion (including shipment gains)	Transfers from mints and assay offices	Increment to \$35 per ounce on receipts at \$20.67+	Total receipts
Philadelphia.....	\$1, 714, 369. 55	\$3, 270. 53	\$2, 491, 274. 35	\$179. 92	\$4, 209, 094. 35
San Francisco.....	23, 736, 380. 90	4, 327. 67	9, 018, 005. 14	542. 73	32, 756, 856. 44
Denver.....	22, 303, 760. 86	9, 068. 42	-----	101. 36	22, 312, 925. 64
New York.....	428, 158, 582. 67	24, 042. 43	1, 800, 964. 20	837. 68	429, 984, 426. 98
Seattle.....	8, 790, 733. 96	1, 042. 54	-----	24. 98	8, 791, 801. 48
Total.....	484, 703, 827. 94	41, 746. 59	13, 307, 843. 69	1, 686. 67	498, 055, 104. 89

DETAILED DISBURSEMENTS OF GOLD BULLION

Institution	Fine and imported bars paid to depositors or sold for cash	Transfers to mints, assay offices, and depositories	Sold in sweeps, manufactures, etc., and operating losses	Total disburse- ments
Philadelphia.....	\$925, 794. 13	\$1, 800, 964. 20	\$18, 649. 18	\$2, 745, 407. 51
San Francisco.....	803, 894. 74	-----	86, 501. 47	839, 486. 21
Denver.....	2, 936, 399. 71	-----	4, 930. 18	2, 941, 329. 89
New York.....	718, 315, 149. 32	2, 494, 774. 35	238, 503. 74	718, 049, 517. 41
Seattle.....	-----	9, 012, 105. 14	-----	9, 012, 105. 14
Total.....	719, 981, 237. 90	13, 307, 843. 69	298, 764. 57	733, 587, 846. 16

Melting and refining and coining departments.—The operations of the melting and refining and of the coining departments of the three mints and the New York Assay Office are shown in the table following. The data are based upon the figures obtained at the settlements of the accounts for the fiscal year 1950. Legal limits of wastage on the whole amount delivered by the superintendent to the operative offices, as prescribed in section 3542 of the Revised Statutes, are as follows: Melter and refiner—gold, 0.001; silver, 0.0015; coiner—gold, 0.0005; silver, 0.001.

Operations of the melting and refining and of the coining departments, fiscal year 1950

GOLD BULLION

Institution	Amount received	Amount returned	Amount operated upon, including reworked metal	Legal amount of wastage on amount received	Surplus recovered	Wastage	Wastage per 1,000 ounces operated upon
Philadelphia Mint:							
Melting and refining	<i>Fine ounces</i> 192,721	<i>Fine ounces</i> 192,732	<i>Fine ounces</i> 76,055	<i>Fine ounces</i> 193	<i>Fine ounces</i> 11	<i>Fine ounces</i>	
Coining	1,542	1,556	1,470	1	14		
San Francisco Mint:							
Melting and refining	5,641,151	5,641,590	2,236,168	5,641	439		
Coining					1		
Denver Mint:							
Melting and refining	17,273,107	17,273,212	17,273,212	17,273	105		
Coining							
New York Assay Office:							
Melting and refining	19,218,057	19,218,563	9,450,002	19,218	507		
Total melting and refining	42,325,036	42,326,097	29,035,437	42,325	1,062		
Total coining	1,542	1,556	1,470	1	15		
Grand total	42,326,578	42,327,653	29,036,907	42,326	1,077		

SILVER BULLION

	<i>Fine ounces</i>	Fine ounces	Fine ounces	Fine ounces	Fine ounces	Fine ounces	Fine ounces
Philadelphia Mint:							
Melting and refining	95,301,551	95,325,165	17,003,752	142,952	23,614		
Coining	21,252,653	21,243,822	21,246,423	21,244		8,831	0.4156
San Francisco Mint:							
Melting and refining	67,793,175	67,795,291	13,387,636	101,690	175		
Coining	11,390,937	11,388,614	11,317,463	11,391		2,323	.2053
Denver Mint:							
Melting and refining	143,007,499	143,024,332	143,024,332	214,511	16,833		
Coining	22,762,937	22,761,681	19,300,939	22,762		1,255	.0650
New York Assay Office:							
Melting and refining	7,903,511	7,903,514	1,091,837	11,855	2		
Total melting and refining	314,005,736	314,048,302	174,507,557	471,008	40,624		
Total coining	55,406,527	55,394,117	51,864,825	55,397		12,409	.2393
Grand total	369,412,263	369,442,419	226,372,382	526,405	40,624	12,409	.2393

NICKEL COINAGE METAL

	<i>Gross ounces</i>	Gross ounces	Gross ounces	Gross ounces	Gross ounces	Gross ounces	Gross ounces
Philadelphia Mint:							
Melting and refining	21,019,336	20,996,702	20,444,622			22,633	1.1070
Coining	22,859,639	22,824,373	17,589,946			35,266	2.0049
San Francisco Mint:							
Melting and refining	7,276,643	7,281,611	3,053,730		4,969		
Coining	3,638,633	3,257,093	3,257,230			5,839	1.7926
Denver Mint:							
Melting and refining	9,930,342	9,929,027	9,930,342			1,315	.1324
Coining	10,428,771	10,420,323	6,579,311			8,448	1.2840
Total melting and refining	38,226,321	38,207,340	33,428,694		4,969	23,948	.7164
Total coining	36,927,043	36,501,789	27,426,487			49,553	1.8068
Grand total	75,153,364	74,709,129	60,855,181		4,969	73,501	1.2078

BRONZE COINAGE METAL

	<i>Gross ounces</i>	Gross ounces	Gross ounces	Gross ounces	Gross ounces	Gross ounces	Gross ounces
Philadelphia Mint:							
Melting and refining	44,599,442	44,577,554	42,021,147			21,888	0.5209
Coining	43,787,416	43,742,526	41,215,324			44,890	1.0892
San Francisco Mint:							
Melting and refining	15,446,738	15,445,656	13,643,096			1,082	.0793
Coining	11,430,481	11,392,975	11,430,481			37,505	3.2811
Denver Mint:							
Melting and refining	23,672,266	23,619,710	23,672,266			52,556	2.2202
Coining	25,125,127	25,128,282	21,113,441		3,155		
Total melting and refining	83,718,446	83,642,920	79,336,509			75,526	.9520
Total coining	80,343,024	80,263,783	73,759,246		3,155	82,395	1.1171
Grand total	164,061,470	163,906,703	153,095,755		3,155	157,921	1.0315

Sweeps cellar operations.—The two following tables cover sweeps cellar operations for the fiscal years 1949 and 1950. The sweeps cellar operations table appearing on page 7 of the 1949 annual report which was designated as covering the fiscal year 1949, actually covered operations for the fiscal year 1948.

Sweeps cellar operations (includes crushed discarded melting pots, etc.), fiscal year 1949

[Corrected table. Sweeps cellar table in 1949 annual report labeled fiscal year 1949 covered data for fiscal year 1948]

Institution	Source	Material (quantity)		Metal content			
		Bags	Net avoir- dupois	Bars recovered		Tailings	
				Gold	Silver	Gold	Silver
Philadelphia Mint.	Melting and re-finishing.	Num- ber	Pounds	Fine ounces	Fine ounces	Fine ounces	Fine ounces
	Coining	34	4,130	2,111	86,688.51	19.818	6,250.12
	Deposits	40	4,000	-----	6,122.00	17.819	4,654.52
Total		7	841	-----	5,226.42	107.140	400.44
San Francisco Mint.	Melting and re-finishing.	81	8,971	2,111	98,036.93	144.777	11,314.08
	Refining	135	10,290	6,004	103.20	19.423	375.41
	Coining	430	41,430	8,835	106.15	1,539.460	1,986.93
	Deposits	4	366	-----	-----	1.557	255.50
Total		19	1,481	-----	-----	24.206	122.59
Denver Mint	Refinery	588	53,567	14.839	209.35	1,584.646	2,740.43
	Coining	263	18,907	-----	-----	182.949	3,668.92
	Deposits	57	4,839	-----	-----	91.484	112.41
Total		320	23,746	-----	-----	274.433	3,781.33
New York Assay Office.	Refinery	267	20,038	-----	-----	91.173	-----
	Deposits	281	19,780	-----	-----	1,013.703	1,087.88
Total		548	39,818	-----	-----	1,104.876	1,087.88
Grand total		1,537	126,102	16,960	98,246.28	3,108.732	18,923.72

Sweeps cellar operations (includes crushed discarded melting pots, etc.), fiscal year 1950

Institution	Source	Material (quantity)		Metal content			
		Bags	Net avoir- dupois	Bars recovered		Tailings	
				Gold	Silver	Gold	Silver
Philadelphia Mint.	Melting and re-finishing.	Num- ber	Pounds	Fine ounces	Fine ounces	Fine ounces	Fine ounces
	Coining	47	4,680	8,713	10,430.89	7,140.868	31,792.36
	Deposits	52	5,159	2,311	6,870.94	-----	12,486.61
Total		5	449	32,370	313.61	-----	-----
San Francisco Mint.	Melting and re-finishing.	104	10,288	43,394	17,615.44	7,140.868	44,278.97
	Refinery	164	12,511	-----	-----	30.711	2,567.93
	Coining	382	44,879	-----	-----	907.549	2,228.54
	Deposits	5	435	-----	-----	1,305	377.16
Total		71	5,979	6,089	8.71	295.598	334.47
Denver Mint	Refinery	622	63,804	6,089	8.71	1,235.163	5,508.10
	Coining	847	92,073	-----	-----	587.583	4,900.83
	Deposits	62	6,120	-----	-----	-----	328.79
Total		909	98,193	-----	-----	587.583	5,229.62
New York Assay Office.	Refinery	467	31,417	-----	-----	718.212	2,396.86
Total		467	31,417	-----	-----	718.212	2,396.86
Grand total		2,102	203,702	49,483	17,624.15	9,681.826	57,413.55

Bullion gains and losses, and the wastage of coinage metal and loss on sale of sweeps.—Data for these items for the fiscal year 1950 are shown in the two following tables.

Bullion gains and losses, fiscal year 1950

Item	Mint at—			Assay Office at—		Total
	Philadelphia	San Francisco	Denver	New York	Seattle	
Recovered from melting and refining and coining operations.....	\$17,738.93	\$15,546.20	\$11,695.28	\$17,733.23	-----	\$62,713.64
Recovered incident to receipt of bullion deposits.....	1,408.82	1,688.68	522.16	1,686.14	\$1,060.67	6,366.47
Gains on light weight and mutilated coin received for recoining.....	13.47	7.01	14.59	.28	-----	35.35
Gains on bullion shipments.....	851.90	-----	-----	-----	-----	851.90
Total gains.....	19,161.22	18,093.79	12,232.03	19,419.65	1,060.67	69,967.38
Wasted in refining and coining operations.....	6,317.69	1,625.70	414.27	-----	-----	8,357.66
Net gains.....	12,843.53	16,468.09	11,817.76	19,419.65	1,060.67	61,609.70

Wastage of coinage metal and loss on sale of sweeps, fiscal year 1950

Item	Mint at—			New York Assay Office	Total
	Philadelphia	San Fran- cisco	Denver		
Silver wastage:					
Melting and refining department.....					
Coining department.....	\$6,317.69	1,625.70	414.27	-----	\$8,357.66
Nickel wastage:					
Melting and refining department.....	366.66	77.71	23.03	-----	467.40
Coining department.....	571.54	96.40	147.95	-----	815.89
Bronze wastage:					
Melting and refining department.....	269.22	14.58	617.21	-----	901.01
Coining department.....	555.80	505.16	-----	-----	1,060.96
Loss on sale of sweeps.....	1,041.64	605.30	1,757.94	\$579.45	3,984.33
Total wastage and loss.....	9,122.55	2,924.85	2,960.40	579.45	15,587.25
Reimbursements:					
Silver, departmental wastage offset by other departmental surpluses.....	6,317.69	1,625.70	414.27	-----	8,357.66
Nickel and bronze wastage from minor coinage profits.....	1,763.22	693.85	788.19	-----	3,245.26
Nickel and bronze wastage offset by charges to foreign metals accounts.....	-----	-----	-----	-----	-----
Other wastages, and loss on sweeps from appropriations.....	1,041.64	605.30	1,757.94	579.45	3,984.33
Total reimbursements.....	9,122.55	2,924.85	2,960.40	579.45	15,587.25

Production and consumption of gold and silver in the United States.—During the calendar year 1949 the total production of gold and silver refined from ores mined in the several States and Alaska was as follows: Gold, 1,921,949 fine ounces valued at \$67,268,215; and silver, 34,944,554 fine ounces.

Gold issued for use in the industrial arts in the United States during the calendar year 1949 aggregated \$148,975,571, with a return from industrial use of secondary materials, including old jewelry, plate, scrap, etc., amounting to \$40,133,100, giving a net consumption of gold amounting to \$108,842,471 during the year.

Silver issued for use in industry and the arts in the United States during the calendar year 1949 aggregated 110,660,459 fine ounces, with a return from industrial use of secondary materials including old silverware, scrap, etc., amounting to 22,660,459 fine ounces, giving a net consumption of silver amounting to 88,000,000 fine ounces during the year.

Annual Assay Commission of 1950.—Section 3547 of the Revised Statutes of the United States provides for an annual test of the domestic coinage executed during each calendar year by a commission of whom part are ex officio members, the others, who serve without compensation, being appointed by the President. The purpose is to secure a due conformity in the silver coins to their respective standards of fineness and weight. The Commission, which met at the Philadelphia Mint February 8 and 9, 1950, reported the following results of their examination of the 1949 coinage:

Annual assay coins reserved at various mints during the calendar year 1949

Denomination	Philadelphia		Denver		San Francisco	
	Pieces	Value	Pieces	Value	Pieces	Value
Half dollars.....	573	\$286.50	428	\$214.00	377	\$188.50
Quarter dollars.....	944	236.00	1,040	260.00		
Dimes.....	3,094	309.40	2,604	260.40	1,351	135.10
Total.....	4,611	831.90	4,072	734.40	1,728	323.60

REPORT OF THE COMMITTEE ON COUNTING

Your committee on counting reports that the packages said to contain the pieces reserved by the several mints for the trial of coins, in accordance with title 31, section 351, United States Code, were delivered to us by the Superintendent of the Mint at Philadelphia.

Verification of the coins reserved was made by checking same against the original record of coin deliveries and reservations for assay in respect to the mint at Philadelphia, and against transcripts furnished the committee showing reservations for assay from the mints at Denver and San Francisco.

At random we selected from the deliveries a certain number of packages, and it was the intention of the committee to include all denominations. Of the packages selected, the coins contained therein were counted, and the number of coins contained in each envelope is noted in the tables below for each mint.

REPORT OF THE COMMITTEE ON WEIGHING

The committee on weighing reports that it selected at random a total of 41 coins, consisting of 19 coins from the Philadelphia Mint, 12 coins from the Denver Mint, and 10 coins from the San Francisco Mint. These coins were taken from 38 different deliveries and are believed to be adequately representative of the year's coinage of each mint.

The coins were weighed directly against weights from the set of coin and grain weights regularly reserved for the use of the Commission. This set was delivered under seal of the National Bureau of Standards, and was accompanied by a certificate from the Bureau showing that the errors of all weights of the set were negligible.

Weighings were made with a precision of 0.01 grain on a balance, the sensitivity, accuracy, and reliability of which was tested and found adequate before the beginning of the work on February 8, and again on the morning of February 9.

It is to be noted that the weight of each coin was well within the tolerance allowed by law.

The following table shows the maximum deviation of the heaviest and lightest coins of the denominations set forth below, as found from individual weighings:

Denomination	Legal deviation allowed	Philadelphia		Denver		San Francisco	
		Heavy	Light	Heavy	Light	Heavy	Light
1949	Grains	Grains	Grains	Grains	Grains	Grains	Grains
Half dollar-----	4	1.1	.87	0.57	1.31	0.54	0.24
Quarter dollar-----	3	.70	.49	.91	.48	-----	-----
Dime-----	1.5	.37	.87	-----	1.43	.56	.08

REPORT OF THE COMMITTEE ON ASSAYING

In compliance with title 31, section 363, United States Code, the committee on assaying is pleased to report that the assays have been completed on samples taken from the different lots of coin, representing all denominations of silver coined during the calendar year 1949, by the United States mints at Philadelphia, Denver, and San Francisco.

No gold was coined at any of the mints during the year.

The results of assays on individual coins and mass melts of coins are satisfactory, being well within the limits of tolerance, which is six one-thousandths for silver coins.

The highest and lowest assay on an individual coin from each of the three mints is as follows:

	Fineness	
	Highest	Lowest
Philadelphia-----	899.7	898.6
Denver-----	900.0	898.4
San Francisco-----	900.4	899.0

Result of mass melting

	Fineness	
	Highest	Lowest
Philadelphia Mint-----	899.7	899.7
Denver Mint-----	899.0	899.0
San Francisco Mint-----	899.5	899.5

The assay balances were tested and found to be in adjustment, the nitric acid used for assaying was found to be free of chlorine and the weights used for weighing the samples for assay were checked against a set that had been standardized by the National Bureau of Standards.

Management program.—A management improvement program vigorously projected in 1950 and directed toward continuing improvements in operating procedures has produced revolutionary results in the manufacturing processes of coinage during the present fiscal year.

The massive melting and rolling equipment in the Denver Mint, which a year ago was in the experimental stage of operation, has been brought to a high state of efficiency. In it is processed a 400-pound bronze ingot in place of the 6-pound ingot, formerly processed in small rolling mills. It has also eliminated the hand pouring method heretofore used. Coincident with the installation of modern annealing equipment now pending, this equipment will be used for nickel and silver coinage.

A new type water-cooled mold, invented by mint technicians at the Philadelphia Mint, has resulted in a 23 percent reduction in silver ingot melting costs during the year. Experiments are now being conducted to utilize this equipment for production of nickel and

bronze ingots. Recent realignment of the melting operations and other mechanical changes at the Philadelphia Mint will result in important economies.

With the installation of more powerful motors on the rolling mills at the San Francisco Mint provision will be made for the processing of longer and wider ingots, and as a result an increase can be made from 100 to 300 percent in the production of coin blanks without increasing personnel. The output of 1-cent blanks will be doubled and dimes quadrupled; other denominations will come within that range.

Personnel of the Bureau of the Mint.—The following table summarizes by departments the personnel of the Bureau of the Mint on June 30, 1950, compared with June 30, 1949:

Bureau of the Mint	Established under act of—	Number of employees, by departments														
		General					Engraving	Assaying	Coining	Melting and refining	Total					
		Administrative, etc.	Custodial		Mechanical	Deposits division										
			Guards	Other												
Office of the Director	Feb. 12, 1873	52								52	52					
Philadelphia Mint	Apr. 2, 1792	45	41	16	37	15	11	6	93	30	294					
San Francisco Mint	July 3, 1852	25	26	5	26	11	—	9	35	41	178					
Denver Mint	Apr. 21, 1862	33	27	7	29	6	—	6	52	48	208					
New York Assay Office	Mar. 3, 1853	33	24	6	9	20	—	18	—	40	150					
West Point Depository	June 22, 1936	—	14	—	1	—	—	—	—	—	15					
Seattle Assay Office	May 21, 1898	3	3	—	—	4	—	2	—	—	12					
Fort Knox Depository	Aug. 13, 1935	3	28	3	—	—	—	—	—	—	34					
Total June 30, 1950		194	163	37	102	56	11	41	180	159	943					
Total June 30, 1949		192	169	50	138	73	18	42	332	258	1,272					

The foregoing report, covering the operation of the mints, assay offices, and the bullion depositories of the United States for the fiscal year ended June 30, 1950, is respectfully submitted.

NELLIE TAYLOE Ross,
Director of the Mint.

Hon. JOHN W. SNYDER,
Secretary of the Treasury.

**REPORT OF THE DIRECTOR OF THE MINT ON THE
PRODUCTION AND CONSUMPTION OF GOLD AND
SILVER IN THE UNITED STATES FOR
THE CALENDAR YEAR 1949**

REPORT ON PRODUCTION AND CONSUMPTION OF GOLD AND SILVER IN THE UNITED STATES DURING THE CALENDAR YEAR 1949

INTRODUCTION

The official estimate of production of gold and silver in the United States, made by the Bureau of the Mint, is based upon arrivals at United States mints and assay offices and at privately owned refineries. The mints and assay offices determine the State source of all newly mined unrefined material at the time deposits are received. The State source of material received by privately owned refineries is determined from information submitted by them and by intervening smelters, mills, etc., involved in the reduction processes.

The estimated industrial consumption of gold and silver is based upon issues by mints and assay offices, private refiners, dealers and manufacturers, plus an estimate of domestic coin melted for industrial use. From the total thus calculated there is deducted the old jewelry, plate, scrap, etc., received by the same concerns, giving net materials consumed.

Gold production.—A total of 1,921,949 fine ounces of gold with a value of \$67,268,215 was produced from ores mined in 18 States and the Territory of Alaska during the calendar year 1949. States of leading production included South Dakota in first place, California in second place, followed by Utah, Alaska, Nevada, Arizona, and Colorado in that order, these seven States accounting for 90 percent of the total United States production. About one-half of the States increased their output in varying amounts over 1948, South Dakota leading with a 20 percent increase. The remaining States, however, declined in the amount of production, the United States total averaging a 5 percent decrease in 1949 from the previous year. A comparison of 1948 and 1949 production, by State of output, is shown in the following table:

Production of gold mined in the several States and Territory of Alaska (based upon arrivals at United States mints and assay offices and at private refineries)

State in which mined	Calendar year 1948		Calendar year 1949		Increase or decrease (—) in 1949	
	Fine ounces	Value ¹	Fine ounces	Value ¹	Fine ounces	Percent ²
Alaska.....	221,471	\$7,751,485	226,666	\$7,933,310	+5,195	+2.3
Arizona.....	103,872	3,635,520	109,476	3,831,660	+5,604	+5.4
California.....	423,750	14,831,565	405,256	14,183,960	-18,503	-4.4
Colorado.....	161,348	5,647,180	101,085	3,558,975	-59,663	-37.0
Georgia.....	21	735	6	210	-15	
Idaho.....	64,171	2,245,985	67,411	2,359,385	+3,240	+5.0
Montana.....	74,754	2,616,390	47,390	1,658,650	-27,364	-36.6
Nevada.....	118,603	4,151,105	124,697	4,364,395	+6,094	+5.1
New Mexico.....	9,349	327,215	8,004	280,140	-1,345	-14.4
North Carolina.....	4	140	13	455	+9	
Oregon.....	14,914	521,990	14,862	520,170	-52	-.3
Pennsylvania.....	2,204	77,140	1,721	60,235	-483	-21.9
South Dakota.....	378,080	13,232,800	454,534	15,908,690	+76,454	+20.2
Tennessee.....	140	4,900	176	6,160	+36	
Texas.....	54	1,890	65	2,275	+11	
Utah.....	384,050	13,441,750	300,022	10,500,770	-84,028	-21.9
Vermont.....	104	3,640	120	4,200	+16	
Washington.....	68,483	2,396,905	50,598	2,085,930	-8,885	-13.0
Wyoming.....	99	3,465	247	8,645	+148	
Total.....	2,025,480	70,891,800	1,921,949	67,268,215	-103,531	-5.1

¹ Gold valued at \$35 per fine troy ounce.

² Percentage change not calculated for States with lower output.

The grand total production of gold in the United States and its possessions since 1792 amounts to 282,087,737 fine ounces with a value of \$6,593,601,890. For a summary of production by calendar years 1792-1943, see page 36 of the Annual Report of the Director of the Mint for the Fiscal Year Ended June 30, 1944, and for later years, each succeeding annual report.

Silver production.—A total of 34,944,554 fine ounces of silver was produced from ores mined in 23 States and the Territory of Alaska during the calendar year 1949. States of leading production included Idaho in first place, followed by Montana, Utah, Arizona, Colorado, and Nevada. These six States produced nearly 34 million ounces, or 93 percent of the total. Total production declined 11 percent over the previous year, with 11 States showing an increased output and 13 a decreased output. A comparison of 1948 and 1949 production, by State of output, is shown in the following table:

Production of silver mined in the several States and Territory of Alaska (based upon arrivals at United States mints and assay offices and at private refineries)

State in which mined	Calendar year 1948		Calendar year 1949		Increase or decrease (-) in 1949	
	Fine ounces	Value ¹	Fine ounces	Value ¹	Fine ounces	Percent ²
Alaska.....	55,709	\$50,419	42,451	\$38,420	-13,258	-23.8
Arizona.....	4,930,017	4,461,914	4,977,719	4,505,087	+47,702	+1.0
California.....	1,067,886	966,491	792,922	717,634	-274,964	-25.7
Colorado.....	3,156,138	2,856,464	2,852,449	2,581,610	-303,689	-9.6
Georgia.....	3	3	1,707	1,545	+1,704	
Idaho.....	11,620,665	10,517,289	9,921,891	8,979,812	-1,698,774	-14.6
Illinois.....	832	753	2,176	1,969	+1,344	
Michigan.....	1,008	912	2,000	1,810	+992	
Missouri.....	108,169	97,898	58,255	52,724	-49,914	-46.1
Montana.....	6,643,623	6,012,814	6,706,780	6,069,975	+63,157	+1.0
Nevada.....	1,950,012	1,764,859	1,878,498	1,700,136	-71,514	-3.7
New Mexico.....	603,985	546,637	516,300	467,278	-87,685	-14.5
New York.....	10,451	9,459	5,376	4,866	-5,075	-48.6
North Carolina.....	(3)	(3)	1	1		
Oregon.....	18,357	16,614	14,154	12,810	-4,203	-22.9
Pennsylvania.....	13,710	12,408	11,331	10,255	-2,379	-17.4
South Dakota.....	93,781	84,877	105,479	95,464	+11,698	+12.5
Tennessee.....	36,507	33,041	43,291	39,181	+6,784	+18.6
Texas.....	10,180	9,213	5,126	4,639	-5,054	-49.6
Utah.....	8,451,152	7,648,719	6,574,299	5,950,073	-1,876,853	-22.2
Vermont.....	24,710	22,364	27,441	24,835	+2,731	+11.1
Virginia.....	40	36	53	48	+13	
Washington.....	431,529	390,556	404,823	366,385	-26,706	-6.2
Wyoming.....	4	4	32	29	+28	
Total.....	39,228,468	35,503,744	34,944,554	31,626,586	-4,283,914	-10.9

¹ Valued at \$0.905+ per fine ounce, the purchase price of the Treasury for newly mined domestic silver, in accordance with the act of July 31, 1946.

² Percentage change not calculated for States with lower output.

³ Less than 1 fine ounce.

The grand total production of silver in the United States and its possessions since 1792 amounts to 4,024,878,034 fine ounces. For a summary of production by calendar years 1792-1943, see page 36 of the Annual Report of the Director of the Mint for the Fiscal Year Ended June 30, 1944, and for later years, each succeeding annual report.

Gold and silver consumption.—During the calendar year 1949 the mint institutions, private refiners, and dealers of the United States issued for industrial, professional, and artistic use, gold in the amount of \$108,842,471 and silver in the amount of 88,000,000 ounces. Details are shown in the following statement:

Item	Gold	Silver
	Value ¹	Fine ounces
Government-stamped bars issued by mints and assay offices.....	\$90,550,071	1222,703
Bullion in various forms issued by private refiners and dealers.....	58,425,500	110,360,412
United States coin (estimated).....		77,344
Total amount of material issued.....	148,975,571	110,660,459
Old jewelry, plate, scrap, etc., returned to private refiners, dealers, and to monetary use.....	40,133,100	22,660,459
Net amount of material issued.....	108,842,471	88,000,000

¹ Gold valued at \$35 per fine ounce.² There were no sales of silver under authority of the act of July 31, 1948, during the calendar year 1949.

The value of fine gold bars issued monthly in exchange for cash for industrial, professional, and artistic use, by the mint institutions, during the calendar year 1949, was as follows:

[On value bases, see Bases Used for Mint Service Statistics]

Month	Value of gold bars issued	Month	Value of gold bars issued
1949:		1949—Continued	
January.....	\$2,432,639.81	August.....	\$10,647,513.49
February.....	2,982,372.57	September.....	11,124,872.74
March.....	4,140,137.64	October.....	11,558,868.47
April.....	3,714,241.61	November.....	9,051,202.69
May.....	3,541,797.51	December.....	6,789,276.86
June.....	8,668,561.68	Total.....	78,727,710.49
July.....	4,076,225.42		

REVIEW OF GOLD AND SILVER MINING INDUSTRY

A review of the gold and silver mining industry in the various States and Alaska for the calendar year 1949, for which acknowledgment is made to the Bureau of Mines, United States Department of the Interior, follows. It should be noted that production figures stated therein are based on a mine canvass of recoverable metal and, due principally to the time lag involved before this material reaches the mints and assay offices and private refineries, will not necessarily agree, on a yearly basis, with the figures published by the Bureau of the Mint.

ALASKA

Production of gold from Alaskan mines in 1949 was lower for the second consecutive year, the recorded output of 229,416 fine ounces (in terms of recoverable metal), valued at \$8,029,560, being 8 percent below the total for 1948, according to Alfred L. Ransome, United States Department of the Interior, Bureau of Mines. Silver production of 36,056 fine ounces, valued at \$32,633, was 46 percent less than the output in the previous year. Comparative production (and value) in 1948 was: Gold, 248,395 (\$8,693,825); and silver, 67,341 ounces (\$60,947).

Gold mining, which has maintained its position as the backbone of the mining industry in Alaska, has had ever-increasing difficulty in balancing high costs of mining, labor, and supplies against an established price for its product which has remained unchanged at \$35 per fine ounce of gold since 1934. Although the supply of labor in 1949 was better than at any time since the war, the narrowing margin between the high operating costs and the official price for gold was not conducive to operation of any but the more efficient enterprises. Natural or unprocessed gold continued to be sold legally on the open market by a number of operators at prices varying from \$3 to \$8 per ounce over the official price. Included with the recorded production for 1949 are 9,836 fine ounces of gold contained in natural gold specifically reported by 10 producers as having been sold on the open market. In addition, 8,656 ounces of natural-gold bullion was reported sold, but this quantity is not included statistically because of insufficient data. Available information indicated that an undetermined quantity of natural gold (estimated to be 5,000 ounces) was sold by 11 producers who did not report specifically. Although these data are incomplete it can be assumed that approximately 22,000 ounces of natural-gold bullion originating from Alaskan mines in 1949 were sold. A comparable total of 18,000 ounces was estimated sold in 1948.

The greatest proportion of gold came from a relatively few mines; the leading 15 gold-producing mines (14 placer and 1 lode) in 1949 yielded 73 percent of the total recorded gold output. The Fairbanks district in the Yukon River Basin region ranked first in the Territory by a wide margin with 95,020 fine ounces. The five principal producers, which accounted for 57 percent of the total Alaska output of

gold, were in order of output: United States Smelting, Refining & Mining Co. (Fairbanks Unit), Fairbanks district (bucket-line dredges); United States Smelting, Refining & Mining Co. (Nome Unit), Nome district (bucket-line dredges); New York-Alaska Gold Dredging Corp., Tuluksak-Aniak district (bucket-line dredge); Brinker-Johnson Co., Fairbanks district (bucket-line dredge); and Strandberg & Sons, Hughes district (nonfloating washing plant).

Of the silver produced in Alaska in 1949, 90 percent was a by-product of gold mining, and 10 percent came from lead ore. The most important producer of silver in 1949 was the United States Smelting, Refining & Mining Co. (Fairbanks Unit), which recovered silver as a byproduct of bucket-line dredging operations in the Fairbanks district.

ARIZONA

Arizona's production of gold was slightly less in 1949 than in 1948, but its production of silver was 3 percent greater, according to C. E. Needham and Paul Luff, of the United States Department of the Interior, Bureau of Mines.

The output of gold declined from 109,487 fine ounces valued at \$3,832,045 in 1948 to 108,993 fine ounces valued at \$3,814,755 in 1949, a loss of about one-half percent. Gold from lode mines decreased from 108,649 ounces in 1948 to 108,428 ounces in 1949, and that from placers from 838 ounces to 565 ounces. Copper ore yielded 78,735 ounces of gold, 72 percent of the State gold in 1949 (84,391 ounces in 1948, 77 percent); zinc-lead ore, 20,429, 19 percent (15,361 ounces in 1948, 14 percent) siliceous ores, 3,081 ounces, 3 percent (6,898 ounces in 1948, 6 percent); and zinc-copper ore, 4,336 ounces, 4 percent (926 ounces in 1948). Ore amalgamated furnished 40 ounces of gold; concentrates smelted, 88,257 ounces; and crude ore smelted, 20,131 ounces.

About 89 percent of the State gold in 1949 came from six districts—Ajo, Big Bug, Copper Mountain (Morenci), Pioneer (Superior), Verde (Jerome), and Warren (Bisbee). The output from these districts decreased from 99,023 ounces in 1948 to 96,498 ounces in 1949. The New Cornelia mine of the Phelps Dodge Corp., Pima County, continued to be the leading gold producer in Arizona. It was followed by the Iron King mine, Yavapai County; the Magma mine, Pinal County; the Copper Queen (Bisbee) branch of the Phelps Dodge Corp., Cochise County; the United Verde branch of the Phelps Dodge Corp., Yavapai County; and the Morenci branch of the Phelps Dodge Corp., Greenlee County. The six properties, all copper mines except the Iron King and part of the Copper Queen, produced 88 percent of the State total gold.

The total gold production in Arizona, in terms of recovered metal, from 1860 through 1949 has been 11,182,499 ounces valued at \$278,882,620.

The output of recoverable silver in Arizona in 1949 was 4,970,736 fine ounces valued at \$4,498,767, an increase of 3 percent in quantity and 3 percent in value compared with the 1948 output of 4,837,740 fine ounces valued at \$4,378,399. A marked increase in production of silver from zinc-copper ore in 1949 prevented a decline in the State silver output. Copper ore yielded 2,412,359 ounces of silver, 49 percent of the State silver in 1949 (2,814,833 ounces in 1948, 58 percent), and zinc-lead ore 1,920,630 ounces, 39 percent (1,544,153 ounces

in 1948, 32 percent); the remainder came principally from siliceous ores, zinc-copper ore, lead ore, and zinc-lead-copper ore. Silver from copper ore decreased 402,474 ounces (14 percent), but that from zinc-lead ore increased 376,477 ounces (24 percent), that from zinc-copper ore 132,278 ounces (201 percent), and that from siliceous ores 16,010 ounces (5 percent).

About 75 percent of the State total silver in 1949 came from six districts—Ajo, Big Bug, Copper Mountain (Morenci), Pioneer (Superior), Verde (Jerome), and Warren (Bisbee). The output from these districts increased from 3,635,596 ounces in 1948 to 3,736,594 ounces in 1949. The Phelps Dodge Corp. continued to be the chief silver producer in Arizona, although its output was about 135,000 ounces (5 percent) less than in 1948; its four properties (Copper Queen, Morenci, New Cornelia, and United Verde) produced 55 percent of the State silver in 1949. Other large silver producers were the Iron King, Magma, San Xavier (Eagle-Picher Mining & Smelting Co.), Ash Peak, and Flux-January-Norton properties.

The total silver production in Arizona, in terms of recovered metal, from 1860 through 1949 has been 307,064,974 ounces valued at \$230,276,886.

CALIFORNIA

The output of gold from California mines in 1949 was 1 percent below the 1948 yield, according to R. B. Maurer, of the United States Department of the Interior, Bureau of Mines, but silver production rose 8 percent in 1949 compared with 1948.

Decreased production of gold from placer mines in 1949, due largely to lower yield from bucket-line dredges, was not offset by the increased output from the lode mines, notably in Nevada, Sierra, and Amador Counties.

The low monthly output of gold for 1949, 30,522 ounces, was recorded in January. Monthly output fluctuated slightly from February through November, but a trend toward increasingly larger average monthly yield was evident. Maximum monthly output of 37,228 ounces was attained in December.

The production of recoverable gold from California ores, gravels and re-treated tailings in 1949 was 417,231 fine ounces (including a relatively small quantity in "natural gold" and amalgam sold in the open market) valued at \$14,603,085 compared with 421,473 fine ounces (including a quantity in "natural gold" sold, comparable to the 1949 figure) valued at \$14,751,555 in 1948. In 1949, 242 lode mines produced 166,683 ounces of gold valued at \$5,833,905 and 190 placer mines produced 250,548 ounces of gold valued at \$8,769,180. Placer mines supplied 60 percent and lode mines 40 percent of the total in 1949 compared with 68 percent and 32 percent, respectively, in 1948.

Of the gold derived from lode operations, 97 percent was recovered from gold ore, 2 percent from lead ore, and the remainder from zinc ore, gold-silver ore, zinc-lead ore, copper ore, silver ore, and lead-copper ore. Metallurgical data show that 59 percent of the lode gold in 1949 (55 percent in 1948) was recovered by amalgamation of ore and old tailings, 33 percent (38 percent in 1948) by cyanidation of ore, concentrates, and old tailings, 5 percent (4 percent in 1948) by smelting of concentrates, and 3 percent (3 percent in 1948) by smelting ore and old tailings.

The yardage of material washed at placer mines decreased 11 percent, and the output of placer gold dropped 12 percent. Lode-gold production increased 23 percent, whereas tonnage of material treated decreased 6 percent.

In the following data on placer mining, 1948 figures are given in parentheses. Floating dredges of the bucket-line type washed 83,571,900 (94,747,200) cubic yards of gravel and recovered 226,838 (257,171) ounces of gold valued at \$7,939,330 (\$9,000,985) or 91 (90) percent of the placer gold produced in the State in 1949. Dragline dredges—those having a floating washing plant to which gravel is delivered by a dragline excavator—washed 2,906,600 (3,033,000) cubic yards of gravel which yielded 14,616 (17,029) ounces of gold valued at \$511,560 (\$596,015). Nonfloating washing plants, to which gravel was delivered by mechanical means, washed 256,500 (261,700) cubic yards of gravel and recovered 3,452 (1,159) ounces of gold valued at \$120,820 (\$40,565). Hydraulic mines produced 1,587 (1,784) ounces of gold valued at \$55,545 (\$62,440) derived from 447,900 (363,000) yards of gravel. Drift mining accounted for 95 (229) ounces of gold valued at \$3,325 (\$8,015) from 1,500 (14,100) cubic yards of gravel and suction dredging produced 1,364 (453) ounces of gold valued at \$47,740 (\$15,855) from 267,000 (83,000) yards of gravel. Small-scale, hand-operated equipment, including small sluice boxes, long toms, dip boxes, rockers, pans, and dry washers, was used in producing 2,596 (7,731) ounces of gold valued at \$90,860 (\$270,585).

Due principally to lode mining, Nevada County ranked first among the California gold-producing counties in 1949. Sacramento County was second, because of the productivity of bucket-line dredges. Yuba, Butte, and Siskiyou Counties, which occupied third, fourth, and fifth places, respectively, derived almost all the 1949 gold production from bucket-line dredging.

The principal gold producers in California in 1949, listed by operators in order of output were: The Natomas Co., Sacramento County (dredge), Idaho-Maryland Mines Corp., Nevada County (gold ore), and Yuba Consolidated Gold Fields (Yuba Unit), Yuba County (dredge).

Production of silver from California ores, gravel, and re-treated tailings in 1949 was 783,880 fine ounces valued at \$709,451 compared with 724,771 fine ounces valued at \$655,954 in 1948. Of the lode silver, 40 percent was derived from lead ore, 35 percent from zinc-lead ore, 11 percent from zinc ore, more than 7 percent from gold ore, 4 percent from copper ore, 2 percent from gold-silver ore, and nearly 1 percent from silver ore and lead-copper ore, together. A small quantity of silver was recovered as a byproduct of dredging and other placer methods carried on principally for gold. Smelting of concentrates supplied 54 percent of the lode silver recovered in the State, smelting of ore and old tailings nearly 38 percent, cyanidation of ore, concentrates, and old tailings 6 percent, and amalgamation of ore and old tailings more than 2 percent.

The principal silver producers in California in 1949, listed by operators in order of output were: Anaconda Copper Mining Co. (Darwin group), Inyo County (zinc-lead ore and lead ore), Anaconda Copper Mining Co. (Shoshone group), Inyo County (lead ore), and Coronado Copper & Zinc Co., Shasta County (zinc ore).

COLORADO

The mine output of gold in Colorado in 1949 was 102,618 fine ounces valued at \$3,591,630—a 34-percent decrease from the 154,802 ounces valued at \$5,418,070 produced in 1948, according to A. J. Martin of the United States Department of the Interior, Bureau of Mines. The principal factor in the decrease was the shutdown in February 1949 of virtually all mining operations in the famous Cripple Creek district to await completion of a new custom mill being built there to replace the Golden Cycle mill at Colorado Springs as a market for Cripple Creek ore. This district produced 35 percent of the State total gold in 1948 and 1947 and an average of 39 percent for the 20 years from 1929 through 1948. Other straight gold districts either remained inactive or had a low production, and gold output decreased in most of the principal districts producing gold along with silver and base metals.

The leading gold-producing districts in 1949, in order of rank, were Upper San Miguel, California (Leadville) (including Box Creek), Cripple Creek, Animas, and Fairplay; these five districts produced 84 percent of the State total gold output. Dry gold and silver ores yielded 52,616 ounces of gold (51 percent of the State total); zinc, lead, copper, and mixed base-metal ores together yielded 36,859 ounces (36 percent), and placers 13,143 ounces (13 percent). The principal gold-producing properties, in order of output, were: Smuggler Union group (Telluride Mines) and Treasury Tunnel-Black Bear (Idarado), both in San Miguel County; Resurrection, Lake County; Shenandoah Dives group, San Juan County; and South Platte Dredging Co. dredge, Park County.

The State silver production decreased 4 percent from 1948 and amounted to about half the annual average for the 10-year prewar period 1932-41. The quantity produced was 2,894,886 fine ounces valued at \$2,620,018 compared with 3,011,011 ounces valued at \$2,725,117 in 1948. The tonnage of silver-bearing copper, lead, and zinc ores mined (755,481 tons, including the mixed base-metal ores) was nearly the same as in 1948, but the average yield of recoverable silver per ton of ore (2.27 ounces) decreased slightly. The base-metal ores together yielded 59 percent of the State total output of silver. The gold ore of the Cripple Creek district carries very little silver, and the shutdown of the Cripple Creek mines had little effect on the production of silver. The total quantity of dry gold and silver ores mined in other districts (483,657 tons) was 6 percent larger than in 1948, but the average yield of recoverable silver per ton of ore (2.43 ounces) decreased 8 percent.

The larger silver-producing districts in 1949 were Upper San Miguel, Animas, Creede (Mineral County), Ten Mile (Kokomo, Summit County), and California (Leadville). The principal silver-producing properties, in order of output, were: Treasury Tunnel-Black Bear (Idarado) group, Shenandoah-Dives group, Emperius Mining Co. group (Mineral County), American Smelting & Refining Co. Kokomo unit (Victory group), and Eagle mine (Eagle County).

Ore treated by mills in Colorado in 1949 totaled 1,238,651 tons, from which were recovered 33,208 ounces of gold and 12,272 ounces of silver in bullion shipped direct to the mint and 51,332 ounces of gold and 2,603,913 ounces of silver in concentrates shipped to smelters. Ore shipped direct to smelters totaled 23,704 tons containing 4,935

ounces of recoverable gold and 275,900 ounces of silver. The total value of the gold, silver, copper, lead, and zinc recovered from the 1,262,355 tons of ore sold or treated in Colorado in 1949 was \$27,474,-322, of which \$6,211,648 represented the combined value of the gold and silver and \$21,262,674 that of the copper, lead, and zinc. Placer mines produced 13,143 ounces of gold valued at \$460,005 and 2,801 ounces of silver valued at \$2,535.

The total production of recovered gold and silver in Colorado from 1858 through 1949 has been 39,483,642 fine ounces of gold valued at \$875,804,434 and 738,890,228 fine ounces of silver valued at \$575,-229,936.

IDAHO

The output of recoverable gold in Idaho increased from 58,454 fine ounces valued at \$2,045,890 in 1948 to 77,829 fine ounces valued at \$2,724,015 in 1949 (a 33-percent gain); but the silver output declined from 11,448,875 fine ounces valued at \$10,361,810 to 10,049,257 fine ounces valued at \$9,095,085 (a 12-percent loss), according to C. E. Needham and Paul Luff, of the United States Department of the Interior, Bureau of Mines.

The yield of gold from lode mines rose from 37,678 ounces in 1948 to 62,751 ounces in 1949, but that from placer properties decreased from 20,776 ounces to 15,078 ounces. The gain from lode properties resulted principally from the treatment of ore, containing a higher gold content, from the Yellow Pine mine at Stibnite. Of the State total gold in 1949, 74 percent came from gold ore, 13 percent from bucket-line dredging, 6 percent from dragline dredging, and 6 percent from zinc-lead ore. Four bucket-line dredges and 7 dragline dredges treated about 3,000,000 cubic yards of gravel in 1949 and recovered 14,707 fine ounces of gold and 4,334 fine ounces of silver.

About 69 percent of Idaho's gold in 1949 came from a lode mine in the Yellow Pine district in Valley County. The remainder came largely from dredging operations in the Elk City district, Idaho County; Boise Basin district, Boise County; and Yankee Fork district, Custer County; and from lode operations in the Middle Boise (Atlanta) district, Elmore County; Warm Springs (Ketchum) district, Blaine County; and Coeur d'Alene region, Shoshone County. The Bradley Mining Co., operating the Yellow Pine mine at Stibnite, continued to be by far the leading State gold producer, and its output in 1949 was nearly double that in 1948. It was followed by Warren Dredging Corp. (bucket dredge) at Elk City, Idaho-Canadian Dredging Co. (bucket dredge) at Idaho City, Talache Mines, Inc. (lode) at Atlanta, Jordan Placers, Inc. (dragline dredge) near Sunbeam, and Triumph lode mine at Triumph. Gold recovered from ore amalgamated amounted to 1,214 ounces; from concentrates smelted, 60,704 ounces; and from crude or smelted, 833 ounces.

The total production of gold in Idaho, in terms of recovered metal, from 1863 through 1949 has been 8,042,014 ounces valued at \$184,609,893.

Idaho's output of recoverable silver decreased to 10,049,257 fine ounces in 1949, 1,399,618 ounces less than that in 1948. This loss resulted mainly from curtailment of operations during the last half of the year at zinc-lead-silver mines caused by declines in the prices of lead and zinc and from a strike at the Bunker Hill lead smelter at

Bradley from August 20 to November 14. However, the State remained the largest producer of silver in the United States—a place it has held since 1933. Of the State total silver, silver ore yielded 42 percent, zinc-lead ore and old tailings 42 percent, lead ore 15 percent, and gold ore most of the remainder. The recovery of silver from silver ore decreased from 5,735,954 ounces in 1948 to 4,250,576 ounces in 1949 (26 percent), that from zinc-lead ore from 4,490,618 ounces to 4,190,996 ounces (7 percent), but that from silver-lead ore increased from 939,500 ounces to 1,475,017 ounces (57 percent).

The Coeur d'Alene region produced 9,146,146 fine ounces of silver in 1949 or 91 percent of the State total silver; the remainder came largely from the Warm Springs, Yellow Pine, and Bayhorse districts.

Twelve mines—the Sunshine, Bunker Hill & Sullivan, Polaris, Page, Silver Dollar, Triumph, Sherman, Silver Syndicate, Silver Summit, Lucky Friday, Star, and Morning—produced 83 percent of the State silver in 1949. Six properties near Kellogg, operated by the Sunshine Mining Co., produced 4,742,708 ounces of silver in 1949, or 47 percent of the State total.

The total production of silver in Idaho, in terms of recovered metal, from 1863 through 1949 has been 552,329,323 ounces valued at \$387,851,818.

MISSOURI

No gold output has been reported in Missouri since the annual canvass of mines began in 1907, according to A. J. Martin of the United States Department of the Interior, Bureau of Mines. The production of recoverable silver in 1949—all derived from lead and lead-copper ores—totaled 123,413 fine ounces valued at \$111,695 compared with 114,187 ounces valued at \$103,345 in 1948.

Nearly all the silver output was recovered as a byproduct by smelters treating lead concentrates produced in mills in southeastern Missouri. The concentrates usually contain 1 to 2 ounces of silver a ton, but a large part of the bullion obtained from the concentrates is not desilverized, and in the sale of the concentrates no value is attached to the silver. In 1949 and other recent years some silver was recovered from copper concentrate made in milling lead-copper-cobalt-nickel-iron ore from the Madison mine, also in southeastern Missouri. The St. Joseph Lead Co. continued to be the only substantial producer of silver in Missouri.

MONTANA

Montana lodes in 1949 yielded 42,903 fine ounces of gold, and placers 9,821 fine ounces—a total of 52,724 ounces valued at \$1,845,340—according to C. E. Needham and Paul Luff of the United States Department of the Interior, Bureau of Mines. Compared with 1948, this represents a decrease of 24 percent from lodes and 41 percent from placers, or an over-all drop of nearly 28 percent. Declines were general at both lodes and placers, and among the State's larger gold-producing properties, only the Estelle-New Year's Gift group and the Cornucopia mine reported larger gold yields in 1949 than in 1948.

Of Montana's total gold in 1949, 49 percent was derived from gold and silver ores (40 percent in 1948), 32 percent from base-metal ores (37 percent in 1948), and 19 percent from placers (23 percent in 1948).

Ores milled yielded 60 percent of the total gold, and ores shipped to smelters nearly 22 percent.

Gold producers in Montana, each with an output of 1,800 ounces or more in 1949, were the property of the Anaconda Copper Mining Co. (copper ore and waste materials and zinc-lead ore and dumps) at Butte, Estelle-New Year's Gift group (gold ore) in Park County, Porter Bros. (placer) at Helena, Drumlummon mine (gold ore) at Marysville, Cornucopia mine (gold-silver ore) near Virginia City, Ruby mine (gold ore) in Phillips County, H. & H. Mines (placer) in Granite County, and Golden Sunlight mine (gold ore) near Whitehall. From these eight properties came 77 percent of the total gold.

The total production of gold in Montana, in terms of recovered metal from 1862 through 1949, has been 17,268,060 ounces valued at \$388,835,312.

The output of recoverable silver in Montana in 1949 was 6,327,025 fine ounces valued at \$5,726,277, which represents a decrease of 9 percent in quantity and value from the 1948 yield of 6,930,716 ounces valued at \$6,272,648. This decline was attributable mainly to a 7-percent drop in output of the metal from the operations of the Anaconda Copper Mining Co. at Butte.

Zinc-lead ore supplied 62 percent of the State silver in 1949, copper ore 29, gold and silver ores 7, and lead and zinc ores together 2 percent. Ores milled yielded 91 percent of the total silver, and smelting ores almost 9 percent; minor sources were placers and old zinc slag fumed.

The Anaconda Copper Mining Co. supplied 83 percent of the State silver in 1949, followed by the Emma mine at Butte and the Mike Horse mine at Flesher. These three contributed 89 percent of the total silver.

The total production of silver in Montana, in terms of recovered metal, from 1862 through 1949, has been 768,733,754 ounces valued at \$564,800,179.

NEVADA

Increased output in 1949 from rehabilitated gold mines, notably in Esmeralda, Humboldt, and Storey Counties, was largely responsible for the 17-percent increase in Nevada gold production over 1948, according to R. B. Maurer, of the United States Department of the Interior, Bureau of Mines. Production of silver increased 1 percent compared with 1948 due to the greater yield of silver from base-metal ores and dry and siliceous gold ores which more than compensated for the lower yield of the metal from dry and siliceous gold-silver and silver ores. Base-metal ores accounted for 57 percent of the silver recovered in 1949.

The output of gold from Nevada ores, old tailings and gravels in 1949 was 130,399 fine ounces valued at \$4,563,965, compared with 111,532 fine ounces valued at \$3,903,620 in 1948. Production of silver in 1949 was 1,800,209 fine ounces valued at \$1,629,280, compared with 1,790,-020 fine ounces valued at \$1,620,058 in 1948.

Gold was recovered from the following sources: Gold ore, 54 percent; copper ore, 29 percent; placer gravel, 6 percent; gold-silver ore, 5 percent; zinc-lead ore, 4 percent; silver ore, 1 percent; and all other ores, 1 percent. Metallurgical data show that more than 51 percent of the State lode gold was recovered by cyaniding ore and old tailings, 43 percent by smelting concentrates, 3 percent by the direct smelting

of ore and old tailings, and nearly 3 percent by amalgamation of ore and old tailings.

The principal Nevada gold mines in 1949, listed by operating companies and in order of output were: Kennecott Copper Corp. (Nevada Mines Division), White Pine County (copper ore); Getchell Mines, Inc., Humboldt County (gold ore); London Extension Mining Co., Lander County (gold ore); Consolidated Coppermines Corp., White Pine County (copper ore); Consolidated Chollar, Gould and Savage Mining Co., Storey County (gold ore); Goldfield Deep Mines Co. of Nevada, Esmeralda County (gold ore); Combined Metals Reduction Co., Lincoln County (zinc-lead ore); Natomas Co. (bucket-line dredge); Dayton Consolidated Mines Co., Storey County (gold ore); and Summit King Mines, Ltd., Churchill County (gold-silver ore).

Nevada lode silver was recovered from the following sources in 1949: Zinc-lead ore, 33 percent; silver ore, 17 percent; gold-silver ore, 14 percent; lead ore, 14 percent; gold ore, 11 percent; copper ore, 7 percent; zinc ore, 3 percent; and all other ores nearly 1 percent. Placer gravels washed principally for gold yielded a small quantity of silver. The smelting of concentrates accounted for 53 percent of the lode silver produced in Nevada in 1949, 24 percent was recovered by cyaniding ore and old tailings and nearly 23 percent came from the direct smelting of ore and old tailings. A negligible quantity of silver was recovered by amalgamation of ore and old tailings.

The principal silver mines in Nevada in 1949, listed by operating companies and in order of output were: Combined Metals Reduction Co., Lincoln County (zinc-lead ore); Copper Canyon Mining Co., Lander County (silver ore); Summit King Mines, Ltd., Churchill County (gold-silver ore); Consolidated Chollar, Gould and Savage Mining Co., Storey County (gold ore); Kennecott Copper Corp. (Nevada Mines Division), White Pine County (copper ore); Prince Consolidated Mining Co., Lincoln County (zinc-lead and silver ores); Bristol Silver Mines Co., Lincoln County (lead and copper ores); Central Comstock Mines Corp., Storey County (gold-silver tailings); McFarland & Hullinger, Elko County (lead ore); and Ely Valley Mines, Inc., Lincoln County (zinc ore).

NEW MEXICO

There was little activity in straight gold and silver mining in New Mexico in 1949, and the quantity of gold and silver recovered incidentally in the production of copper, lead, and zinc was less than in 1948, according to A. J. Martin, of the United States Department of the Interior, Bureau of Mines. In the Mogollon district, Catron County, an important producer of gold-silver ore before the wartime restrictions on gold mining caused the mines to close in 1942, repair work was done at the Lehigh Metals Co. Consolidated group of mines late in 1949, and small-scale mining began in January 1950.

The State output of recovered gold in 1949 totaled 3,249 fine ounces valued at \$113,715 and silver 380,855 fine ounces valued at \$344,693. Comparable figures for 1948 were 3,414 ounces of gold valued at \$119,490 and 537,674 ounces of silver valued at \$486,622.

The gold output in 1949 comprised 1,981 ounces from the Lordsburg district, Hidalgo County; 869 ounces from the Central district and 101

ounces from the Steeple Rock district, Grant County; and a total of 298 ounces from various districts in Catron, Grant, Hidalgo, Lincoln, Santa Fe, Sierra, and Socorro Counties. Copper ore yielded 2,304 ounces of gold; lead, zinc, and zinc-lead ores 651 ounces; dry gold and silver ores 263 ounces; and placer gravel 31 ounces. The only New Mexico producer of more than 1,000 ounces of gold was the Atwood copper mine in the Lordsburg district.

The principal silver-producing districts were Lordsburg, 149,312 ounces; Central, 136,483 ounces; Magdalena, 33,618 ounces; Eureka, 19,493 ounces; and Lone Mountain, 13,356 ounces. Twenty-one other scattered districts together produced 28,593 ounces of silver. Copper ore yielded nearly 41 percent of the State total silver output, zinc ore, 37 percent; lead and zinc-lead ores, 15 percent; and gold and silver ores and placer gravel more than 7 percent. The leading producers of silver were the Atwood copper mine, Hidalgo County; the Ground Hog zinc-lead mine in Grant County, and the Bonney-Miser's Chest (Banner) copper mine in Hidalgo County. Of the 6,539,602 tons of ores of gold, silver, copper, lead, and zinc mined in New Mexico in 1949, only 5,364 tons were dry gold and silver ores; copper ore amounted to 6,105,174 tons, zinc ore 363,322 tons, and lead and zinc-lead ores 65,742 tons. Gold and silver together represented less than 2 percent of the total value of the metals recovered from the ores.

The total production of gold and silver in New Mexico, in terms of recovered metals, from 1848 through 1949 has been 2,192,644 fine ounces of gold valued at \$50,076,733 and 69,189,093 fine ounces of silver valued at \$54,243,342.

OREGON

Oregon gold production in 1949, owing principally to expansion in dredging, exceeded the 1948 output by 11 percent, but was considerably below the postwar peak of 18,979 ounces attained in 1947 according to R. B. Maurer, of the United States Department of the Interior, Bureau of Mines. Silver production fell 10 percent below the relatively small yield of the metal in 1948.

The production of gold from Oregon ores and gravels was 16,226 fine ounces (including the fine gold content of "natural gold" sold on the open market) valued at \$567,910 in 1949 compared with 14,611 fine ounces valued at \$511,385 in 1948. Placer mines contributed 89 percent of the gold, and 74 percent of the placer gold was recovered by bucket-line dredges, 22 percent by dragline dredges, 2 percent by hydraulicking and 2 percent by other methods. Lode mines produced 11 percent of the total gold and 99 percent of the lode gold was derived from dry and siliceous gold ore and old tailings and 1 percent was from siliceous silver ore and copper ore. Metallurgical data show that ultimate recovery of nearly 47 percent of the total lode gold was from smelting of concentrates, nearly 38 percent from the smelting of ore, 15 percent was as bullion from amalgamation of ore and less than 1 percent from cyanidation of ore. The leading Oregon gold producers in 1949 in the order named were the Baker Dredging Co., Sumpter district, Baker County and Porter & Co., Granite district, Grant County (bucket-line dredges), and Calhoun & Howell of Oregon, Ltd., North Fork district, Grant County (dragline dredge).

Oregon ores and gravels in 1949 yielded 12,195 ounces of silver valued at \$11,037 compared with 13,596 ounces valued at \$12,305

in 1948, a decrease of 10 percent in both quantity and value. More than 99 percent of the State total came from Grant, Lane, and Baker Counties, principally the yield from lode mines; dry and siliceous gold ore was the principal source of lode silver and smelting of concentrates the principal method of recovery.

STATES EAST OF THE MISSISSIPPI RIVER

In 1949 the reported production of gold from mines in the States east of the Mississippi River was 1,967 fine ounces valued at \$68,845 and silver, 101,612 fine ounces valued at \$91,964, according to Samuel A. Gustavson of the United States Department of the Interior, Bureau of Mines. Production and value of gold and silver produced in 1948 were, respectively, 2,479 fine ounces valued at \$86,765 and 101,171 fine ounces valued at \$91,565. The prices per ounce used to calculate value for both 1949 and 1948 were \$35 for gold and \$0.9050505 for silver.

Gold was produced chiefly as a byproduct in the course of mining for magnetite-pyrite-chalcopyrite ore from the Cornwall mine, Lebanon County, Pa.; copper ore from the Elizabeth mine, Orange County, Vt.; and copper-iron-zinc ore from the Tennessee Copper Co. mines, Polk County, Tenn. Production in 1949 from these States was: Pennsylvania, 1,645 ounces; Tennessee, 171 ounces; and Vermont, 120 fine ounces. A total of 4 ounces of gold was reported from two lode gold mines and a total of 27 ounces of gold was reported from two placer mines, one of each in Georgia and North Carolina. In 1948 one lode gold mine in Georgia reported production of 19 ounces, whereas no placer output was reported.

There was little change from 1948 in the output of silver from mines in States east of the Mississippi River. Production was 101,612 fine ounces valued at \$91,964 in 1949 and 101,171 ounces valued at \$91,565 in 1948. All the silver was recovered as a byproduct from copper, lead, or zinc-lead ores from mines in Illinois, 3,128 ounces; New York, 18,378 ounces; Pennsylvania, 10,827 ounces; Tennessee, 41,833 ounces; and Vermont, 27,446 ounces.

SOUTH DAKOTA

Production of gold in South Dakota rose 23 percent in 1949 over 1948 and was the highest since 1942, according to A. J. Martin, of the United States Department of the Interior, Bureau of Mines. Production from the Homestake mine at Lead, Lawrence County, largest gold-producing mine in the United States, reached the highest rate of the postwar period in the last half of 1949. Since the mine resumed operations after the wartime shutdown it has not operated a full year at normal productive capacity because of the limited number of men available for underground work. The company reported that the full number of men required for the mine department was nearly reached in mid-November 1949. Output from the Bald Mountain mine at Trojan, an important gold producer, was a little higher than in 1948. There were no other regularly operating gold mines in the State in 1949. A little gold and silver, including 1 ounce of placer gold, was recovered by small-scale intermittent operators in Lawrence County. Silver is recovered as a byproduct of gold mining.

The total South Dakota output of gold in 1949 was 464,650 fine ounces valued at \$16,262,750 and silver 109,383 fine ounces valued at \$98,997. In 1948 the output of gold was 377,850 ounces valued at \$13,224,750 and silver 94,693 ounces valued at \$85,702.

Ore mined at the Homestake mine in 1949 was 1,112,183 tons compared with 896,862 tons in 1948. The mine is opened by three vertical shafts, the deepest being 4,245 feet, with an inside winze to the 5,000-foot level. The primary crushing plants are at the hoists. Other surface plants include the 180-stamp South mill (the main secondary crushing, grinding, and amalgamating plant), two cyanide plants, a slime plant, and refinery. At the refinery silver is parted from the gold, and virtually pure metals are shipped to the Denver mint. Bullion with a value of \$15,683,159 was produced in 1949, which is \$3,025,021 more than in 1948. Dividends paid in 1949 amounted to \$4,520,880. From 1876 through 1949 the mine yielded bullion and concentrates that brought a net return of \$494,113,151 and paid \$165,176,794 in dividends.

Output of ore from the Bald Mountain Mining Co. group at Trojan in 1949 was 117,759 tons yielding 17,544 fine ounces of recovered gold and 25,612 fine ounces of silver; the net return to the mine on bullion sold during the year (including a small quantity of refinery slag) was \$633,445. The ore-treatment process includes crushing to five-eighth-inch size, ball milling in cyanide solution, thickening and agitation, countercurrent washing in four stages, Merrill-Crowe zinc-dust precipitation, and reduction of precipitate in a gas-fired reverberatory-type tilting furnace.

The total production of gold and silver, in terms of recovered metals, in South Dakota from 1876 through 1949 has been 22,295,995 fine ounces of gold valued at \$561,957,034 and 10,003,769 fine ounces of silver valued at \$7,185,831.

TEXAS

Four small mines in Texas produced ores yielding recoverable gold or silver or both metals in 1949, according to A. J. Martin of the United States Department of the Interior, Bureau of Mines. The total output of gold was 40 fine ounces valued at \$1,400 and silver 2,691 fine ounces valued at \$2,435. Comparable figures for 1948 were 57 ounces of gold valued at \$1,995 and 3,065 ounces of silver valued at \$2,774. The gold and silver produced in both years were recovered from copper and lead ores. The producing mines in 1949 were the Mary Ellen 25 miles north of Van Horn, Culberson County; the Sancho Panza near Allamoore, Hudspeth County; and The R. I. Carr leased properties west of Shafter, and the Silver Dome group northwest of Presidio, both in Presidio County.

The total Texas production of gold and silver, in terms of recovered metals, from 1885 through 1949 has been 8,432 fine ounces of gold valued at \$229,065 and 33,294,666 fine ounces of silver valued at \$23,438,865. The Presidio mine at Shafter, which produced most of the State output of silver in the past, was idle in 1949.

UTAH

The mine production of gold in Utah in 1949 was 314,058 fine ounces (314,046 ounces from lodes and 12 ounces from placers) valued

at \$10,992,030, according to C. E. Needham and Paul Luff of the United States Department of the Interior, Bureau of Mines. This represents a decline of 15 percent in quantity and value from the 1948 output of 368,422 ounces valued at \$12,894,770. Of the larger gold-producing properties in Utah in 1949, only the property of the Park Utah Consolidated Mines Co. in the Park City region reported a gain over 1948 output. Loss was especially large at the Utah Copper mine in Bingham Canyon, owing to a work stoppage which began in October 1948 and continued until February 1949.

Of the total gold in 1949, 85 percent came from copper ore, 12 from zinc-lead ore, 0.3 from other base-metal ores, and nearly 3 percent from gold and silver ores. Two placers reported production. The West Mountain (Bingham) district supplied 91 percent of the total gold, the Park City region 6, and the Tintic district nearly 2 percent. Output of the metal in the West Mountain (Bingham) district was 14 percent below that in 1948, and in the Tintic district 53 percent, but in the Park City region it rose 2 percent.

The leading gold producers in Utah in 1949, each with an output of more than 1,000 ounces of recoverable metal, were as follows: Utah Copper mine and United States & Lark group, both in the West Mountain (Bingham) district; the properties of the New Park Mining Co. and Park Utah Consolidated Mines Co., both in the Park City region; Eureka Lilly mine and the Chief Consolidated Mining Co. property, both in the Tintic district; Butterfield property in the West Mountain (Bingham) district; and the Calumet mine in the Rush Valley district. These eight properties furnished 98 percent of the State gold.

The total production of gold in Utah, in terms of recovered metal, from 1864 through 1949, has been 11,747,120 ounces valued at \$311,374,240.

The mine output of silver in Utah in 1949 was 6,724,880 fine ounces valued at \$6,086,356—a decrease of 17 percent in quantity and value from the 8,045,329 ounces valued at \$7,281,429 in 1948. With the exception of the Butterfield property in the West Mountain (Bingham) district and the Daly No. 1 dump at Park City, all of the larger silver producers in Utah reported lower yields in 1949 than in 1948. Decreases were especially large at the Utah Copper mine and at the properties of the Park Utah Consolidated Mines Co. and Silver King Coalition Mines Co., both at Park City. Output of the metal dropped 8 percent in the West Mountain (Bingham) district, 38 in the Park City region, and 19 in the Tintic district.

Zinc-lead ore, zinc ore, lead ore, and zinc-lead-copper ore together furnished almost 57 percent of the State silver in 1949; copper ore, 33 percent; and gold and silver ores, 10 percent; the remainder came principally from zinc slag fumed.

Utah properties that produced more than 100,000 ounces of recoverable silver each in 1949 were as follows: Utah Copper mine; United States & Lark group, properties of Chief Consolidated Mining Co. and New Park Mining Co.; Butterfield group; Park Utah Consolidated Mines Co. property; Daly No. 1 dump; Calumet mine; and Silver King Coalition Mines Co. property. These mine producers contributed 92 percent of the State silver.

The total production of silver in Utah, in terms of recovered metal, from 1864 through 1949, has been 741,722,760 ounces valued at \$544,494,476.

WASHINGTON

The mine output of gold in Washington in 1949 was 71,994 fine ounces valued at \$2,519,790, according to C. E. Needham and Paul Luff of the United States Department of the Interior, Bureau of Mines. Lode output was 71,984 ounces and came from 29 properties; placer output was 10 ounces and came from 3 properties.

The State gold yield in 1949 was 3 percent greater than the yield of 70,075 ounces valued at \$2,452,625 in 1948. This increase of 1,919 ounces resulted mainly from substantial shipments of gold ore during the second half of the year from the Gold King mine near Wenatchee. The Holden mine, in Chelan County, was the State's leading gold producer, followed in order by the Knob Hill mine in Ferry County, the Gold King mine in Chelan County, and the Aurum group in Ferry County. The above four properties contributed all but a small quantity of the State gold in 1949. Yield of the metal increased slightly at the Holden mine but declined at the Knob Hill mine and the Aurum group. Of the State gold in 1949, almost 60 percent was recovered from zinc-copper ore, and most of the remainder from gold ore.

The total production of gold in Washington, in terms of recovered metal, from 1860 through 1949, has been 2,355,704 ounces valued at \$61,204,963.

The mine output of silver in Washington in 1949 was 357,853 fine ounces valued at \$323,875, a decrease of 5 percent in quantity and value from the 375,831 ounces valued at \$340,146 in 1948. Among the four leading State silver producers in 1949, only the Bonanza mine in Stevens County reported an increase. The Knob Hill mine (gold ore) remained in first place by a slight margin, followed by the Holden mine (zinc-copper ore), the Bonanza mine (lead ore), and the Aurum group (gold ore). These four furnished 89 percent of the State silver. Gold ore supplied 44 percent of the State silver in 1949, followed by zinc-copper ore with about 37 percent; most of the remainder came from lead and zinc-lead ores.

The total production of silver in Washington, in terms of recovered metal, from 1860 through 1949, has been 13,857,293 ounces valued at \$10,039,365.

WYOMING

Mines in Wyoming produced 389 fine ounces of gold valued at \$13,615 and 21 fine ounces of silver valued at \$19 in 1949, according to A. J. Martin of the United States Department of the Interior, Bureau of Mines. The production in 1948 was 115 ounces of gold valued at \$4,025 and 11 ounces of silver valued at \$10. Nearly all the output in both years came from the Carissa mine in the South Pass district, Fremont County. This mine had a substantial output in 1947 and was under development, with intermittent production in 1948 and 1949; it is equipped with a 100-ton amalgamation and cyanidation mill. A little gold was recovered from the St. Louis lode property and a small placer, both in the South Pass district. In Teton County 1 ounce of gold was recovered from the Sterling placer on Pacific Creek and 1 ounce from the Mercury claim near Moran.

The total production of gold and silver in Wyoming, in terms of recovered metals, from 1867 through 1949, has been 80,031 fine

ounces of gold valued at \$1,909,413 and 74,819 fine ounces of silver valued at \$51,912.

Distribution of gold and silver production of the United States, in fine ounces, for 1949, by sources of production (table furnished by the Bureau of Mines)

State	Gold			Silver		
	Lode mines	Placer mines		Dry and siliceous ores ¹	Lead ores ²	Copper ores
		Floating bucket-line dredges	All other			
Alaska.....	8,327	156,020	65,069	32,317	3,739	
Arizona.....	108,428		565	328,358	2,230,019	2,412,359
California.....	166,683	226,838	23,710	96,943	658,495	28,442
Colorado.....	89,475	12,231	912	1,180,064	1,655,753	59,069
Georgia.....	1		17			
Idaho.....	62,751	10,234	4,844	4,365,038	5,683,665	554
Illinois.....					3,128	
Michigan.....						
Missouri.....					123,413	
Montana.....	42,903	7,758	2,063	435,913	4,045,329	1,845,783
Nevada.....	122,457	7,650	292	765,299	901,000	133,910
New Mexico.....	3,218		31	28,630	197,131	155,094
New York.....					18,378	
North Carolina.....	3		10			
Oregon.....	1,761	10,744	3,721	12,173		22
Pennsylvania.....	1,645					10,827
South Dakota.....	464,649		1	109,170	213	
Tennessee.....	171					41,833
Texas.....	40				2,610	81
Utah.....	314,046		12	663,160	3,828,012	2,233,708
Vermont.....	120					27,446
Washington.....	71,984		10	166,593	190,154	1,106
Wyoming.....	386		3	21		
Total.....	1,459,048	431,475	101,260	8,183,679	19,541,039	6,950,234

¹ Contains small quantity of silver from placer mines (61,368 fine ounces).

² Includes silver in lead, lead-copper, zinc, zinc-lead, zinc-copper, and zinc-lead-copper ores.

³ Production by dragline dredges included with that by bucket-line dredges; Bureau of Mines not at liberty to publish separately.

⁴ Production by nonfloating washing plants included with that by bucket-line dredge; Bureau of Mines not at liberty to publish separately.

⁵ From copper concentrates from magnetitite-pyrite-chalcopyrite ores.

**ADDENDA TO REPORT OF THE DIRECTOR OF
THE MINT**

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ADDENDA TO REPORT OF THE DIRECTOR OF THE MINT

Bases Used for Mint Service Statistics

Gold and silver, as well as minor coinage metals, are accounted for by quantity as well as by value. Most of the published mint service statistics pertaining to such metals are on a primary quantity basis rather than a primary value basis because, in some degree, the value factor antedates the quantity factor, as when advance partial payments are made on large deposits of bullion or foreign coin pending determination by melt, assay, and computation, of the exact quantities and values of the materials deposited. The *quantity basis* comprises received bullion, the quantity and value whereof have been finally determined, whether or not paid for; also melted coin that has been reviewed and classified after having been received as withdrawn from monetary use. The *value basis* comprises received bullion, the quantity and value whereof have been finally determined, whether or not paid for; also received bullion to the value of advance payments thereon prior to making final determinations; and received but unreviewed coin that has been withdrawn from monetary use. To effect reconciliation between the quantity basis and value basis, from period to period, would require consideration also of prior period advances.

The tabulations of "Deposits and purchases" include received metal for which payment is made in bars bearing the Government stamp, as well as that paid for by check or in cash. In these tabulations, prior to the fiscal year 1940, the receipt classification item of "Domestic refinery bullion" included that refined from new production of both domestic and foreign mines, also old or secondary source metals, with inconsiderable amounts from small refineries that worked only old materials. Beginning with the fiscal year 1940 segregation of these items has been made in the tabulations.

Stock of domestic coin.—Consists of an estimate made in 1873 of gold and silver coin, the former of which was revised in 1907, with annual addition of new coinage and reported imports, and deduction of withdrawn coin, reported exports, and an estimate for industrial use and general disappearance; from 1928 to 1933 the additional factor of gold coin "earmarked," or set aside for foreign owners, was considered, such transactions being equivalent to exports and releases thereof being equivalent to imports. After 1933 gold coin has been omitted as such; any unmelted gold coin on hand is treated as bullion. In 1928 minor coin was added, considering only coins of the type commonly in circulation, the amounts coined, those withdrawn for recoinage, and general disappearance. The monetary stock tables for a series of years have been revised back to the establishing of the Federal Reserve System (1914) to include earmarked gold, and to include minor coin back to 1900. The item of coin withdrawn as used in the stock compilation omits the coin received for recoinage.

but not yet reviewed, which coin is subject to classification adjustments.

Domestic coin made.—These data cover the coin delivered from the manufacturing department to the issuing (cash) division, and include the new coin made from withdrawn old coin, as well as all other newly made coin. It is now required that all coins be delivered to the cash division during the year impressed on such coins; during the earlier years this was not always done.

Number of gold and silver deposit transactions and assay determinations during the fiscal year 1950

Item	Philadelphia	San Francisco	Denver	New York	Seattle	Total
Deposit transactions:						
Purchases	1,682	3,910	1,097	2,766	962	10,417
Transfers	128	—	—	—	—	128
Intermittent transfers	1	14	—	—	1	16
Trust deposits	28	—	—	—	—	28
Total	1,839	3,924	1,097	2,767	962	10,589
Deposit assay determinations:						
Purchases	3,475	4,660	1,681	4,527	1,231	15,574
Transfers	561	—	—	—	—	561
Intermittent transfers	—	541	—	97	—	638
Trust deposits	1,132	—	—	—	—	1,132
Total	5,168	5,201	1,681	4,624	1,231	17,905

Number of gold and silver deposit transactions and assay determinations during the calendar year 1949

Item	Philadelphia	San Francisco	Denver	New York	Seattle	Total
Deposit transactions:						
Purchases	1,683	5,389	1,016	2,694	966	11,748
Transfers	134	—	—	—	—	134
Intermittent transfers	1	17	—	—	1	19
Trust deposits	60	11	—	—	—	71
Total	1,878	5,417	1,016	2,695	966	11,972
Deposit assay determinations:						
Purchases	2,953	6,711	1,488	5,155	1,238	17,545
Transfers	2,824	—	—	—	—	2,824
Intermittent transfers	—	650	—	84	—	734
Trust deposits	2,478	13	—	—	—	2,491
Total	8,255	7,374	1,488	5,239	1,238	23,594

Deposits and purchases of gold during the fiscal year 1950

[On quantity basis, see Bases Used for Mint Service Statistics]

Source and description	All institutions	Philadelphia	San Francisco	Denver	New York	Seattle
PRIMARY RECEIPTS						
Domestic:						
Newly mined—mine source:						
Alaska.....	Fine ounces 205,741.555	Fine ounces 1,769	Fine ounces 6,925.457	Fine ounces 115.714	Fine ounces	Fine ounces 198,698.615
Arizona.....	325.637		285.873	36.870		2,894
California.....	395,698.359		395,682.917	3,897		11,545
Colorado.....	41,862.999			41,862.999		
Georgia.....	4.412	4.412				
Idaho.....	15,905.860		1,264.749	3,270.334		11,370.777
Montana.....	13,569.492			8,555.910		5,013.582
Nevada.....	104,819.049		81,943.252	4,719.046		18,156.751
New Mexico.....	35.068			35.068		
Oregon.....	12,128.037		2,221.828	1.065		9,905.144
South Dakota.....	18,360.165			18,360.165		
Texas.....	1.293			1.293		
Utah.....	6.052			6.052		
Washington.....	156.953			24.697		156.953
Wyoming.....	24.697			15.494	1.060	
Unallocated.....	28.209	11.655				
Total newly mined unrefined.....	808,667.837	17.836	488,324.076	77,008.604	1.060	243,316.261
Newly mined—domestic refinery product:						
Refinery bullion (less than 0.995 fine).....	10,360.917			1,102.505	4,920.822	4,337.590
Refined bars (0.995 fine and over).....	620,096.581		26,196.756	515,078.620	78,160.914	660.291
Total newly mined refined.....	630,457.498		26,196.756	516,181.125	83,081.736	4,997.881
Total newly mined domestic.....	1,439,125.335	17.836	514,520.832	593,189.729	83,082.796	248,314.142
Other domestic:						
Secondary.....	165,020.561	43,807.283	13,520.776	44,595.066	60,250.020	2,847.416
Domestic coin:						
Purchased.....	229.484	2.262	.779	3.988	221.969	.486
Transferred from Treasury and Federal Reserve banks.....	7,359.326	5,081.849	1,701.394	576.083		
Total other domestic.....	172,609.371	48,891.394	15,222.949	45,175.137	60,471.989	2,847.902
Total domestic.....	1,611,734.706	48,909.230	529,743.781	638,364.866	143,554.785	251,162.044

Imports:						2.20
Bullion unrefined.....	307,481.242		98,808.178		218,580.705	
Bullion refined.....	14,297,653.202		51,126.965		14,246,526.237	
Secondary.....	355.437	32.855			322.582	
Foreign coin.....	137,373.079	45.134	143.229	2.640	137,181.847	.220
Total imports.....	14,742,862.960	77.989	145,168.372	2.640	14,597,611.461	2.408
Recoveries:						
Grains Receiving Division.....	166.477	39.229	47.177	14.781	47.876	17.434
Operative recoveries.....	1,002.330	54.215	52.537	244.177	639.048	12.353
Total recoveries.....	1,168.807	93.444	99.714	258.938	686.924	29.737
Total primary receipts.....	16,355,766.473	49,080.663	675,011.867	638,626.444	14,741,853.170	251,194.320
REDEPOSITS						
By Treasury and Federal Reserve banks.....						
Total acquisitions.....	16,355,766.473	49,080.663	675,011.867	638,626.444	14,741,853.170	251,194.320
INTERMINT TRANSFERS						
Refined bars.....	71,179.266	71,179.266				
Unrefined bars.....	308,968.725		257,512.605		51,456.120	
Proof bullion.....	100.000		100.000			
Total intermint transfers.....	380,247.991	71,179.266	257,612.605		51,456.120	
Grand total fine ounces.....	16,736,014.464	120,259.929	932,624.472	638,626.444	14,793,309.290	251,194.320
VALUE						
Purchases at \$20.67+ per ounce.....	Dollars 2,412.48	Dollars 239.20	Dollars 782.54	Dollars 146.22	Dollars 1,208.55	Dollars 35.97
Increment to \$35 per ounce.....	1,673.45	166.06	543.37	101.36	837.08	24.98
Purchases at \$35 per ounce.....	572,191,745.88	1,539,550.05	23,566,522.43	22,331,413.06	515,962,533.05	8,791,727.20
Domestic coin transferred (melted).....	257,993.35	177,864.60	59,566.92	20,265.00	283.50	13.24
Intermint transfers.....	13,306,679.73	2,491,274.35	9,014,441.18		1,800,964.20	
Total value at \$35 per ounce.....	585,760,504.89	4,209,094.35	32,641,856.44	22,351,926.64	517,765,826.98	8,791,801.48

Deposits and purchases of silver during the fiscal year 1950

[On quantity basis, see Bases Used for Mint Service Statistics]

Source and description	All institutions	Philadelphia	San Francisco	Denver	New York	Seattle
PRIMARY RECEIPTS						
Domestic:						
Newly mined—mine source:						
Alaska.....	Fine ounces 29, 208. 24	Fine ounces 0. 27	Fine ounces 1, 256. 03	Fine ounces 25. 80	Fine ounces	Fine ounces 27, 926. 14
Arizona.....	58. 76		46. 06	12. 28		.42
California.....	82, 295. 33		82, 292. 44			1. 78
Colorado.....	15, 106. 80					
Georgia.....	1, 706. 97	.27				
Idaho.....	3, 783. 02		903. 45	413. 53		
Missouri.....	.27				0. 27	
Montana.....	15, 765. 59					1, 961. 15
Nevada.....	445, 218. 92		439, 936. 97	2, 727. 77		2, 554. 18
New Mexico.....	11. 88					
Oregon.....	2, 664. 90		437. 25	.37		
South Dakota.....	30, 306. 39			30, 306. 39		2, 227. 28
Utah.....	1. 14				1. 14	
Washington.....	79. 69					79. 69
Wyoming.....	1. 60				1. 60	
Unallocated.....	4. 31	.28		4. 03		
Total newly mined unrefined.....	626, 213. 81	.82	524, 872. 20	64, 123. 84	.27	37, 216. 68
Newly mined—domestic refinery product:						
Refinery bullion (less than 0.996 fine).....	397, 683. 68				100, 633. 02	297, 037. 67
Refined bars (0.996 fine and over).....	37, 225, 664. 64	18, 090, 191. 49	19, 135, 473. 15			12. 99
Total newly mined refined.....	37, 623, 348. 32	18, 090, 191. 49	19, 135, 473. 15	100, 633. 02	297, 037. 67	12. 99
Total newly mined.....	38, 249, 562. 13	18, 090, 192. 31	19, 660, 345. 35	164, 756. 86	297, 037. 94	37, 229. 67
Other domestic:						
Secondary.....	363, 559. 43	43, 271. 36	173, 298. 19	17, 726. 20	128, 271. 60	992. 08
Domestic coin:						
Purchased.....	4, 806. 52	2, 376. 63	710. 94	1, 301. 62	417. 33	
Transferred from Treasury and Federal Reserve banks.....	1, 860, 063. 37	1, 415, 752. 77	277, 648. 88	166, 661. 72		
Uncurrent silver dollars melted.....	205, 400. 24	90, 404. 11	76, 038. 91	38, 957. 22		
Total other domestic.....	2, 433, 829. 56	1, 551, 804. 87	527, 696. 92	224, 646. 76	128, 688. 93	992. 08
Total domestic.....	40, 683, 391. 69	19, 641, 997. 18	20, 188, 042. 27	389, 403. 62	425, 726. 87	38, 221. 75

	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
Imports:						
Bullion unrefined.....	28,186.11		26,384.77		1,801.34	
Bullion refined.....	46,992.58				46,992.58	
Foreign coin.....	235.25				235.25	
Secondary.....	160.14	5.30			154.84	
Total imports.....	75,574.08	5.30	26,384.77		49,184.01	
Return of lend-lease silver.....						
Recoveries:						
Grains Receiving Division.....	123.48	48.03	42.30	7.61	14.47	11.07
Operative recoveries.....	11,388.11		4,303.78	7,061.13	9.16	14.04
Total recoveries.....	11,511.59	48.03	4,346.08	7,068.74	23.63	25.11
Total primary receipts.....	40,770,477.36	19,642,050.51	20,218,773.12	396,472.36	474,934.51	38,246.86
REDEPOSITS						
By Office of Defense Plants of RFC, etc.....	55,006,811.67	5,338,313.15		36,865,932.89	12,802,565.63	
Total acquisitions.....	95,777,289.03	24,980,363.66	20,218,773.12	37,262,405.25	13,277,500.14	38,246.86
INTERMINT TRANSFERS						
Unrefined bars.....	117,273.34		39,831.43		77,441.91	
Proof bullion.....	100.00		50.00		50.00	
Assay coin.....	235.75	235.75				
Total intermint transfers.....	117,609.09	235.75	39,881.43		77,491.91	
DEPOSITED IN TRUST						
Imported bullion.....	11,491,004.98	11,491,004.98				
Bullion from domestic refineries.....	500,092.15	500,092.15				
Total deposited in trust.....	11,991,097.13	11,991,097.13				
Grand total fine ounces.....	107,885,995.25	36,971,696.54	20,258,654.55	37,262,405.25	13,354,992.05	38,246.86
VALUE						
Cost of primary receipts.....	<i>Dollars</i> 34,939,211.03	<i>Dollars</i> 16,405,008.17	<i>Dollars</i> 17,940,124.42	<i>Dollars</i> 164,280.32	<i>Dollars</i> 397,367.15	<i>Dollars</i> 32,430.97
Cost of bullion transferred.....	70,414.41	325.90	33,912.97		36,175.54	
Subsidiary coining value of transferred domestic coin.....	2,571,367.96	1,957,149.08	383,824.25	230,394.63		
Subsidiary coining value of melted uncurrent dollars.....	283,946.81	124,975.44	105,116.86	53,854.51		
Monetary value (\$1.29+ per fine ounce) of bullion transferred.....	152,060.24	304.81	51,563.87		100,191.56	
Monetary value (\$1.29+ per fine ounce) of silver acquired.....	123,833,262.50	32,297,843.90	26,141,444.01	48,177,655.24	17,166,868.86	49,450.49

Deposits and purchases of gold during the calendar year 1949

[On quantity basis, see Bases Used for Mint Service Statistics]

Source and description	All institutions	Philadelphia	San Francisco	Denver	New York	Seattle
PRIMARY RECEIPTS						
Domestic:						
Newly mined—mine source:						
Alaska.....	<i>Fine ounces</i> 225,524.629	<i>Fine ounces</i> 1,769	<i>Fine ounces</i> 9,144.680	<i>Fine ounces</i> 156,961	<i>Fine ounces</i> 279.400	<i>Fine ounces</i> 215,941.819
Arizona.....	564.834		537.522	27.312		
California.....	355,439.001		355,356.501			82.500
Colorado.....	46,879.906			46,874.096		5.810
Georgia.....	5.616	5.616				
Idaho.....	16,765.809		1,358.412	3,059.856		12,347.541
Montana.....	13,562.244			7,842.973		5,719.271
Nevada.....	70,101.716		65,591.160	459.543		4,051.013
New Mexico.....	28.650			28.650		
North Carolina.....	10.433	10.433				
Oregon.....	11,357.765		2,312.368			9,045.397
South Dakota.....	17,451.017			17,451.017		
Texas.....						
Utah.....	58.580			58.580		
Washington.....	1,004.336					1,004.336
Wyoming.....	166.568			166.568		
Unallocated.....	19.643	15.489		3.094	1.060	
Total newly mined unrefined.....	758,940.747	33.307	434,300.643	76,128.650	280.460	248,197.687
Newly mined—domestic refinery product:						
Refinery bullion (less than 0.995 fine).....	11,000.967			1,102.505	4,879.692	5,918.770
Refined bars (0.995 fine and over).....	523,588.450		11,673.401	435,919.504	75,335.254	660.291
Total newly mined refined.....	535,489.417		11,673.401	437,022.009	80,214.946	6,579.061
Total newly mined domestic.....	1,294,430.164	33.307	445,974.044	513,150.659	80,495.406	254,776.748
Other domestic:						
Secondary.....	149,295.246	45,978.608	12,546.968	32,428.232	55,629.448	2,711.990
Domestic coin:						
Purchased.....	228.474	7.722	3.903	1.116	215.504	.229
Transferred from Treasury and Federal Reserve banks.....	5,132.010	3,297.588	1,001.332	743.090		
Total other domestic.....	154,655.730	49,283.918	13,642.203	33,172.438	55,844.952	2,712.219
Total domestic.....	1,449,085.894	49,317.225	450,616.247	546,323.097	136,340.358	257,488.967

Imports:						
Bullion unrefined.....	1,095,957.243		110,284.884		985,628.513	42,846
Bullion refined.....	19,309,562.220	-----	36.442	-----	19,309,526.778	-----
Secondary.....	71,332	45.224	-----	-----	26.108	-----
Foreign coin.....	137,472.177	284.557	15.301	3.643	137,168.126	.880
Total imports.....	20,543,062.972	329.781	110,336.627	3.643	20,432,348.525	44,306
Recoveries:						
Grains Receiving Division.....	142,436	40.402	39.851	13.582	36.063	12,548
Operative recoveries.....	1,304,324	54.215	53.051	244.177	943.623	9.268
Total recoveries.....	1,446.760	94.617	92.902	257.759	979.676	21,806
Total primary receipts.....	21,993,595.626	49,741.623	570,045.776	546,584.499	20,569,668.559	257,555.160
REDEPOSITS						
By Treasury and Federal Reserve banks.....						
Total acquisitions.....	21,993,595.626	49,741.623	570,045.776	546,584.499	20,569,668.559	257,555.160
INTERMINT TRANSFERS						
Refined bars.....	131,327.423	71,179.266	60,148.157	-----	-----	-----
Unrefined bars.....	43,476.598	-----	-----	43,476.598	-----	-----
Proof bullion.....	180.000	-----	100.000	50.000	-----	-----
Total intermint transfers.....	174,954.021	71,179.266	60,248.157	50.000	43,476.598	-----
Grand total fine ounces.....	22,168,549.647	120,920.890	630,293.933	546,634.499	20,613,145.157	257,555.160
VALUE						
Purchases at \$20.67+ per ounce.....	Dollars 3,407.27	Dollars 921.82	Dollars 966.86	Dollars 98.38	Dollars 1,272.41	Dollars 147.80
Increment to \$35 per ounce.....	2,362.98	639.22	671.18	68.19	881.94	102.45
Purchases at \$35 per ounce.....	769,590,455.40	1,623,976.86	19,911,767.42	19,104,283.02	719,936,246.87	9,014,181.23
Domestic coin transferred (melted)	178,620.35	115,415.68	38,198.62	26,008.18	-----	-----
Intermint transfers.....	6,123,390.77	2,491,274.35	2,108,085.49	1,760.00	1,521,680.93	-----
Total value at \$35 per ounce.....	775,899,286.77	4,232,227.83	22,060,267.57	19,132,207.74	721,460,082.15	9,014,431.43

Deposits and purchases of silver during the calendar year 1949

[On quantity basis, see Bases Used for Mint Service Statistics]

Source and description	All institutions	Philadelphia	San Francisco	Denver	New York	Seattle
PRIMARY RECEIPTS						
Domestic:						
Newly mined—mine source:						
Alaska.....	<i>Fine ounces</i> 32,422.67	<i>Fine ounces</i> 0.27	<i>Fine ounces</i> 1,510.44	<i>Fine ounces</i> 31.99	<i>Fine ounces</i>	<i>Fine ounces</i> 30,870.97
Arizona.....	94.73		84.54	10.19		
California.....	78,121.64		78,112.44			9.20
Colorado.....	14,577.90					.32
Georgia.....	1,707.24	.54				
Idaho.....	3,563.26					
Maryland.....	.42	.42				2,573.28
Missouri.....	.27					
Montana.....	13,217.03					
Nevada.....	421,175.57					2,388.79
New Mexico.....	7.57					552.92
North Carolina.....	.63	.63				
Oregon.....	2,511.15					
South Dakota.....	24,754.86					
Utah.....	24.11					
Washington.....	632.41					
Wyoming.....	10.57					
Unallocated.....	.40					
Total newly mined unrefined.....	592,822.43	1.86	501,457.17	52,287.09	.27	39,076.04
Newly mined—domestic refinery product:						
Refinery bullion (less than 0.996 fine).....	<i>377,165.58</i>				<i>80,119.72</i>	<i>297,036.35</i>
Refined bars (0.996 fine and over).....	<i>32,063,438.38</i>	<i>12,463,842.72</i>	<i>19,619,595.66</i>			
Total newly mined refined.....	32,460,603.96	12,463,842.72	19,619,595.66	80,119.72	297,036.35	9.51
Total newly mined.....	33,063,426.39	12,463,844.58	20,121,052.83	182,406.81	297,036.62	39,085.55
Other domestic:						
Secondary.....						
Domestic coin:						
Purchased.....	<i>276,452.29</i>	<i>34,375.96</i>	<i>111,735.72</i>	<i>16,065.80</i>	<i>113,356.62</i>	<i>928.20</i>
Transferred from Treasury and Federal Reserve banks.....	<i>5,943.20</i>	<i>3,104.94</i>	<i>857.72</i>	<i>1,804.23</i>	<i>476.21</i>	
Uncurrent silver dollars melted.....	<i>1,585,851.06</i>	<i>1,147,639.62</i>	<i>235,160.33</i>	<i>203,045.11</i>		
	<i>181,480.67</i>	<i>71,408.56</i>	<i>56,661.97</i>	<i>58,410.34</i>		
Total other domestic.....	2,049,727.42	1,256,529.07	404,421.74	274,015.58	113,832.83	928.20
Total domestic.....	35,103,153.81	13,720,373.68	20,525,474.57	406,422.39	410,869.45	40,018.76

Imports:					
Bullion unrefined	35,639.01		32,637.88		3,001.13
Bullion refined	17,091.84				17,091.84
Secondary	8.08	8.08			
Foreign coins	2,357.20		.14		2,357.06
Total imports	55,096.13	8.08	32,638.02		22,450.03
Return of lend-lease silver					
Recoveries:					
Grains Receiving Division	109.70	61.71	30.79	6.88	7.31
Operative recoveries	11,506.00		4,308.20	7,061.13	132.93
Total recoveries	11,615.70	61.71	4,338.99	7,068.01	140.24
Total primary receipts	35,169,865.64	13,720,443.44	20,562,451.58	413,490.40	433,459.72
REDEPOSITS					
By Office of Defense Plants of RFC, etc.	86,619,862.97	23,415,897.51		39,238,333.67	23,965,631.79
Total acquisitions	121,789,728.61	37,136,340.95	20,562,451.58	39,651,824.07	24,399,091.51
INTERMINT TRANSFERS					
Unrefined bars	76,523.53		11,517.71		65,005.82
Proof bullion	250.00		50.00	200.00	
Assay coin	506.72	506.72			
Total intermint transfers	77,280.25	506.72	11,567.71	200.00	65,005.82
DEPOSITED IN TRUST					
Imported bullion	26,323,219.37	24,921,960.32	1,401,259.05		
Bullion from domestic refineries	1,400,958.34	1,400,958.34			
Total deposited in trust	27,724,177.71	26,322,918.66	1,401,259.05		
Grand total fine ounces	149,591,186.57	63,459,766.33	21,975,278.34	39,652,024.07	24,464,097.33
VALUE					
Cost of primary receipts	Dollars 30,157,128.00	Dollars 11,307,138.93	Dollars 18,315,626.57	Dollars 133,866.72	Dollars 366,589.37
Cost of bullion transferred	40,798.72	700.50	9,617.11	145.06	30,336.05
Subsidiary coining value of transferred domestic coin	2,192,294.45	1,586,507.10	325,096.00	280,691.35	
Subsidiary coining value of melted uncurrent dollars	250,880.76	98,715.83	78,330.01	73,834.92	
Monetary value (\$1.29+ per fine ounce) of bullion transferred	99,917.90	655.15	14,956.23	258.59	84,047.93
Monetary value (\$1.29+ per fine ounce) of silver acquired	157,465,507.60	48,014,663.02	26,585,795.96	51,267,004.83	31,546,300.11
					51,743.68

Deposits of foreign gold bullion and coin during the fiscal year 1950

[On quantity basis, see Bases Used for Mint Service Statistics]

Country from which exported	Unrefined bullion	Refined bullion	Secondary	Coin	Total	Total value
North America:						
Canada.....	Fine ounces 2,269	Fine ounces 778.277		Fine ounces 9,094	Fine ounces 789,640	Dollars 27,637.40
Mexico.....				2,407	2,407	84.23
Central America:						
Costa Rica.....			10.307		10.307	360.74
Dominican Republic.....	1,062.621				1,062.621	37,191.73
Honduras.....	647.633		20.167		667.800	23,373.00
South America:						
British Guiana.....	11,252.358				11,252.358	393,832.53
Chile.....		6,808.297			6,808.297	238,290.40
Europe:						
Austria.....				.224	.224	.74
Belgium.....		71,868.906	1.162		71,870.068	2,515,452.38
England.....	2,683	10,429,534.873		.233	10,429,537.789	365,033,822.61
France.....		11.418			11.418	399.63
Germany.....			321.420	2.791	324.211	11,347.40
Lithuania.....	2,235.186				2,235.186	78,231.51
Malta.....				22.026	22.026	770.91
Poland.....		7,483.508			7,483.508	261,922.78
Spain.....	178,643.984	181,656.493			360,300.477	12,610,516.70
Switzerland.....		714,383.593			714,383.593	25,003,425.76
Africa:						
Ethiopia.....	1,412.798				1,412.798	49,447.93
Liberia.....	10,337.438				10,337.438	361,810.33
Union of South Africa.....		2,832,666.908			2,832,666.908	99,143,341.78
Asia and Oceania:						
Australia.....	51.753				51.753	1,811.35
China.....	7,925.745	52,435.905			60,361.650	2,112,657.75
Fiji Islands.....	93,895.356				93,895.356	3,286,337.48
Manchuria.....			2.381		2.381	.83.33
Unallocated.....		36.442		137,336.304	137,372.746	4,808,046.11
Total.....	307,481.242	14,297,653.202	355.437	137,373.079	14,742,862.960	516,000,203.59

Deposits of foreign silver bullion and coin during the fiscal year 1950

[On quantity basis, see Bases Used for Mint Service Statistics]

Country from which exported	Total ¹	Country from which exported	Total ¹
North America: Mexico.....	Fine ounces 17,091.84	Africa:	Fine ounces
Central America:		Ethiopia.....	73.06
Costa Rica.....	2.26	Liberia.....	241.44
Dominican Republic.....	177.66	Asia and Oceania:	
Honduras.....	146.11	Australia.....	11.43
South America: British Guiana.....	1,152.83	China.....	.15
Europe:		Fiji Islands.....	26,384.62
Belgium.....	.51	Japan.....	14,707.94
England.....	15,192.94	Unallocated.....	235.25
France.....	1.71	Total.....	
Germany.....	154.33		75,574.08

¹ Includes 28,186.11 ounces unrefined bullion; 46,992.58 ounces refined bullion; 160.14 ounces secondary; and 235.25 ounces coin.

Deposits of foreign gold bullion and coin during the calendar year 1949

[On quantity basis, see Bases Used for Mint Service Statistics]

Country from which exported	Unrefined bullion	Refined bullion	Secondary	Coin	Total	Total value
North America:						
Canada.....	Fine ounces 41.577	Fine ounces 812.162		Fine ounces 853.739	Dollars 20,890.87	
Mexico.....		291,084.949			10,188.084.55	
Central America:						
Costa Rica.....	29.073				29.073	1,017.56
Dominican Republic.....	857.298				857.298	30,005.43
Honduras.....			39.111		39.111	1,368.89
Panama.....			6.113		6.113	213.96
South America:						
British Guiana.....	12,804.869				12,804.869	448,170.41
Chile.....		14,529.036			14,529.036	508,516.26
Colombia.....	199,883.295				199,883.295	6,995,915.33
Europe:						
Austria.....				.332	.332	11.62
Belgium.....		71,868.906			71,868.906	2,515,411.71
Germany.....				3.353	3.353	117.36
Great Britain.....	579,941.470	12,170,338.567	23.453	260.828	12,750,564.318	446,269,750.85
Holland.....		296,278.073			296,278.073	10,369,732.56
Switzerland.....	181,714.923	714,383.593			896,098.516	31,363,448.06
Africa:						
Ethiopia.....	1,412.798				1,412.798	49,447.93
Liberia.....	8,934.808				8,934.808	312,718.28
Union of South Africa.....		5,750,230.492			5,750,230.492	201,268,067.22
Oceania:						
Australia.....	51.753				51.753	1,811.35
Fiji.....	110,283.110				110,283.110	3,859,908.85
Unallocated.....	2.269	36.442	2.655	137,204.483	137,245.849	4,803,604.71
Total	1,095,957.243	19,309,562.220	71.332	137,472.177	20,543,062.972	719,007,203.95

Deposits of foreign silver bullion and coin during the calendar year 1949¹

[On quantity basis, see Bases Used for Mint Service Statistics]

Country from which exported	Total ²	Country from which exported	Total ²
North America: Mexico	Fine ounces 17,314.24	Africa:	Fine ounces
Central America:		Ethiopia.....	73.06
Costa Rica.....	1.38	Liberia.....	149.45
Dominican Republic.....	130.49	Oceania:	
Honduras.....	6.12	Australia.....	11.43
Panama.....	1.96	Fiji Islands.....	32,415.40
South America:		Unallocated.....	2,357.20
British Guiana.....	1,747.73	Total.....	55,096.13
Colombia.....	623.48		
Europe:			
Great Britain.....	264.11		
Switzerland.....	.08		

¹ In addition, silver deposited in trust for use in coinage for other governments was as follows: Imported from Mexico, 24,921,960.32 fine ounces of refined bullion.² Includes 35,639.01 fine ounces unrefined; 17,091.84 fine ounces refined and 2,357.20 fine ounces coin, and 8.08 fine ounces secondary.

Domestic coins, including assay pieces, withdrawn from monetary use during the fiscal year 1950

[On quantity basis, see Bases Used for Mint Service Statistics]

Denomination	From Treasury and Federal Reserve banks	Purchased	Total
Gold:			
Double eagles.....	\$116,600.00	\$2,280.00	\$118,880.00
Eagles.....	18,610.00	1,790.00	20,400.00
Half eagles.....	15,260.00	620.00	15,880.00
\$3 pieces.....	15.00	6.00	21.00
Quarter eagles.....	2,040.00	65.00	2,105.00
\$1 pieces.....	36.00	9.00	45.00
Total gold.....	152,561.00	4,770.00	157,331.00
Total value gold at \$20.67+ per ounce.....			156,874.63
Silver:			
Trade dollars.....		2.00	2.00
Standard dollars.....	273,501.00	1,122.00	274,623.00
Half dollars.....	969,863.50	2,126.50	971,990.00
Quarter dollars.....	1,044,437.00	2,176.00	1,046,613.00
20-cent pieces.....	.80		.80
Dimes.....	750,584.20	2,200.00	752,784.20
Half-dimes.....	27.30	.10	27.40
3-cent pieces.....	26.31	.03	26.34
Total silver.....	3,038,440.11	7,626.63	3,046,066.74
Nickel:			
5-cent pieces.....	211,799.03	20.24	211,819.27
3-cent pieces.....	18.90		18.90
1-cent pieces.....	8.73	305.31	314.04
Total nickel.....	211,826.66	325.55	212,152.21
Bronze:			
2-cent pieces.....	9.08		9.08
1-cent pieces.....	152,506.02	27.71	152,533.73
Total bronze.....	152,515.10	27.71	152,542.81
Copper:			
1-cent pieces.....	14.13		14.13
½-cent pieces.....	1.23		1.23
Total copper.....	15.36		15.36
Copper-silver-manganese: 5-cent pieces.....	42,275.10		42,275.10
Zinc-coated steel: 1-cent pieces.....	291,274.39		291,274.39
Total minor.....	697,906.61	353.26	698,259.87
Grand total.....	3,888,907.72	12,749.89	3,901,657.61

SUMMARY

Metal obtained from melting the above:			
Gold.....		fine ounces	Weights 7,588.810
Silver:			
Uncurrent silver dollars.....		do	205,400.24
All other silver coin.....		do	1,865,105.64
Cupro-nickel.....		gross ounces	658,248.44
Bronze, copper, and copper-zinc.....		do	1,404,130.38
Copper-silver-manganese alloy (not recoined).....		do	134,819.27
Zinc-coated steel (not recoined).....		do	2,579,947.49
Monetary value of metal obtained:			Value \$265,608.35
Gold (at \$35 per fine ounce).....			283,947.11
Silver (at \$1.38+ per fine ounce):			2,578,338.54
Uncurrent silver dollars.....			204,742.91
All other silver coin.....			140,413.03
Cupro-nickel.....			10,446.10
Bronze, copper, and copper-zinc.....			
Gain by recoining: Uncurrent silver dollars (net).....			
Total.....			3,483,496.04
Loss by recoining:			
Silver (except uncirculated silver dollars).....			193,105.20
Cupro-nickel.....			7,409.30
Bronze, copper, and copper-zinc.....			12,145.14
Total.....			212,659.64

Domestic coins, including assay pieces, withdrawn from monetary use during the calendar year 1949

[On quantity basis, see Bases Used for Mint Service Statistics]

Denomination	From Treasury and Federal Reserve banks	Purchased	Total
Gold:			
Double eagles.....	\$52,160.00	\$2,100.00	\$54,260.00
Eagles.....	29,080.00	1,780.00	30,860.00
Half eagles.....	22,690.00	665.00	23,355.00
\$3 pieces.....	15.00	15.00	30.00
Quarter eagles.....	2,477.50	75.00	2,552.50
\$1 pieces.....	31.00	30.00	61.00
Total gold.....	106,453.50	4,665.00	111,118.50
Total value gold at \$20.67+ per ounce.....			110,811.04
Silver:			
Trade dollars.....		4.00	4.00
Standard dollars.....	241,740.00	976.00	242,716.00
Half dollars.....	822,371.00	2,811.00	825,182.00
Quarter dollars.....	870,033.00	3,195.50	873,228.50
20-cent pieces.....	1.60		1.60
Dimes.....	666,665.30	2,970.00	669,665.30
Half dimes.....	41.80	.10	41.90
3-cent pieces.....	19.44	.03	19.47
Total silver.....	2,600,902.14	9,956.63	2,610,858.77
Nickel:			
5-cent pieces.....	204,211.40		204,211.40
3-cent pieces.....	17.01		17.01
1-cent pieces.....	8.75		8.75
Total nickel.....	204,237.16		204,237.16
Copper:			
1-cent pieces.....	15.60		15.60
3/4-cent pieces.....	130,383.44	81.03	130,464.47
Total copper.....	130,399.04	81.03	130,480.07
Bronze and copper-zinc:			
2-cent pieces (bronze).....	25.37		25.37
1-cent pieces.....	.20		.20
Total bronze and copper-zinc.....	25.57		25.57
Copper-silver-manganese:			
5-cent pieces.....	33,061.00		33,061.00
Zinc-coated steel: 1-cent pieces.....	186,048.11		186,048.11
Total minor.....	553,770.88	81.03	553,851.91
Grand total.....	3,261,126.52	14,702.66	3,275,829.18

SUMMARY

Metal obtained from melting the above:			
Gold.....		fine ounces.....	Weights 5,360.484
Silver:			
Uncurrent silver dollars.....		do.....	181,480.87
All other silver coin.....		do.....	1,592,300.98
Cupro-nickel.....		gross ounces.....	634,112.83
Bronze, copper, and copper-zinc.....		do.....	1,284,016.65
Copper-silver-manganese alloy (not recoined).....		do.....	103,544.07
Zinc-coated steel (not recoined).....		do.....	1,648,328.77
Monetary value of metal obtained:			
Gold (at \$35 per fine ounce).....			Value \$187,616.94
Silver (at \$1.38+ per fine ounce):			
Uncurrent silver dollars.....			250,880.76
All other silver coin.....			2,201,210.96
Cupro-nickel.....			197,235.72
Bronze, copper, and copper-zinc.....			128,401.67
Gain by recoinage: Uncurrent silver dollars (net).....			9,140.76
Total.....			2,974,486.81
Loss by recoinage:			
Silver (except uncirculated silver dollars).....			166,931.81
Cupro-nickel.....			7,001.44
Bronze, copper, and copper-zinc.....			2,103.95
Total.....			176,037.20

Standard silver dollars (uncurrent) melted for recoinage into subsidiary coin¹

Fiscal year	Face amount	Fiscal year	Face amount
1943.....	\$8,080,739	1948.....	
1944.....	44,658,194	1949.....	
1945.....	393,881	1950.....	
1946.....	98,455	Total.....	\$361,789
1947.....	66,655		241,740
			273,882
			Total..... 54,172,954

¹ The act of Dec. 18, 1942, authorized all worn and uncurrent standard silver dollars held, or thereafter received in the Treasury, to be formed into bars and used for coinage.

Standard silver dollars (mutilated) purchased as bullion for use in the manufacture of subsidiary silver coin since 1883

Fiscal year	Face amount	Fiscal year	Face amount
1883-1929 ¹	\$221,149	1941.....	\$407
1930.....	1,329	1942.....	562
1931.....	1,193	1943.....	214
1932.....	442	1944.....	682
1933.....	513	1945.....	426
1934.....	504	1946.....	617
1935.....	649	1947.....	1,984
1936.....	638	1948.....	451
1937.....	339	1949.....	926
1938.....	607	1950.....	1,122
1939.....	629	Total.....	225,730
1940.....	366		

¹ For separate fiscal year data prior to 1930, see Annual Report for 1931, p. 72.

Silver coin (including silver dollars) withdrawn from circulation for recoinage into subsidiary coin, since 1890

Fiscal year	Face amount ¹	Face amount of new coin producible	Loss (net)	Fiscal year	Face amount	Face amount of new coin producible	Loss (net)
1891-1929 ¹	\$128,045,738	\$121,738,081	\$6,307,657	1941.....	\$4,122,939	\$3,774,660	\$348,270
1930.....	4,347,695	3,944,682	403,013	1942.....	2,767,828	2,532,102	235,726
1931.....	5,487,496	4,997,679	489,817	1943.....	10,619,576	10,588,190	31,386
1932.....	7,482,437	6,825,156	657,281	1944.....	46,363,450	47,393,898	+1,030,448
1933.....	8,467,446	7,715,023	752,423	1945.....	2,363,287	2,210,134	249,094
1934.....	7,563,736	6,948,272	615,464	1946.....	1,875,802	1,741,762	133,005
1935.....	8,828,214	8,074,032	754,182	1947.....	1,889,558	1,760,734	129,823
1936.....	7,200,195	6,587,520	612,675	1948.....	3,133,656	2,945,278	188,378
1937.....	6,026,887	5,526,508	500,379	1949.....	2,354,309	2,212,031	142,278
1938.....	5,514,687	5,038,320	476,367	1950.....	3,046,067	2,862,286	183,781
1939.....	4,861,773	4,434,279	427,494	Total.....	276,893,746	263,991,184	12,907,567
1940.....	4,530,970	4,140,548	390,422				

¹ Includes 11,111,168 standard silver dollars melted for subsidiary coin under act of Apr. 23, 1918; and 54,172,954 uncurrent standard silver dollars melted for recoinage into subsidiary coin under act of Dec. 18, 1942.

² For separate fiscal year data prior to 1930, see Annual Report for 1931, p. 72.

Sales of Treasury silver under act of July 31, 1946, during fiscal years 1947-49¹

Fiscal year—	Number of fine ounces sold
1947.....	8,198
1948.....	1,728
1949.....	1,071
Total.....	10,997

¹ Sales made at 91 cents per fine ounce. No sales made during fiscal year 1950.

NOTE.—For a summary of silver receipts and issues, fiscal years 1932-46, inclusive, see Annual Report for 1946, pp. 73-79.

Estimated monetary stock of gold and silver in the United States and the amount per capita at the close of each fiscal year 1936-50¹

Fiscal year ended June 30—	Gold bullion	Silver coin and bullion ²	Population	Per capita		
				Gold	Silver	Total
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>			
1936	\$10,608,417	\$1,587,007	128,413	\$82.61	\$12.36	\$94.97
1937	12,318,271	1,741,175	129,337	95.24	13.46	108.70
1938	12,962,954	1,957,704	130,085	99.65	15.05	114.70
1939	16,110,079	2,157,476	131,173	122.82	16.44	139.26
1940	19,963,091	2,302,501	132,130	151.09	17.43	168.52
1941	22,624,197	2,430,234	133,212	169.84	18.24	188.08
1942	22,736,704	2,582,735	134,474	169.08	19.21	188.29
1943	22,387,522	2,718,711	136,527	163.98	19.91	183.89
1944	21,173,066	2,748,959	138,001	153.43	19.92	173.35
1945	20,212,973	2,840,037	139,408	144.99	20.37	165.36
1946	20,269,934	3,281,637	140,987	143.77	23.28	167.05
1947	21,266,490	3,340,031	144,066	147.62	23.18	170.80
1948	23,532,460	3,400,472	146,587	160.53	23.20	183.73
1949	24,466,324	3,470,872	149,087	164.11	23.28	187.39
1950	24,230,720	3,496,991	151,734	159.69	23.05	182.74

¹ For data from 1873-1935, see Annual Report for 1944, p. 81.

² Includes silver bullion revalued to \$1.29+ per fine troy ounce and set up as security against silver certificates; does not include bullion held at cost value by the Treasury at close of each fiscal year.

Summary of newly mined domestic silver purchased by the Treasury, fiscal years 1934-50

Fiscal year	Purchased under Executive Proclamation of Dec. 21, 1933, and subsequent proclamations: ¹		Purchased under the act of July 6, 1939, ²		Purchased under the act of July 6, 1939, as amended by the act of July 31, 1946, ³		Total newly mined domestic
	Fine ounces	Value	Fine ounces	Value	Fine ounces	Value	
1934	8,558,161	\$5,532,520					
1935	30,863,349	20,214,113					
1936	49,479,904	38,181,917					
1937	62,932,341	48,776,104					
1938	68,117,418	50,877,249					
1939	63,615,086	41,808,830					
1940	17,630,035	11,390,258					
1941	2,136	1,381					
1942							
1943							
1944							
1945							
1946							
1947							
1948							
1949							
1950							
Total	301,198,420	216,468,372	206,304,447	146,968,094	126,068,283	114,120,158	633,591,130

1 Purchased at the following prices: At 64.64+ cents per fine ounce Dec. 21, 1933-Apr. 9, 1935; at 71.11+ cents per fine ounce Apr. 10, 1935-Apr. 26, 1936; at 77.57+ cents per fine ounce Apr. 24, 1935-Dec. 31, 1937; at 64.64+ cents per fine ounce Jan. 1, 1938-June 30, 1939; at 71.11+ cents per fine ounce after July 1, 1939.

² Purchased at 71.11+ cents per fine ounce.

³ Purchased at 90.505+ cents per fine ounce.

Detailed receipts of the Bureau of the Mint for the fiscal year ended June 30, 1950

Item	Philadelphia Mint	San Francisco Mint	Denver Mint	New York Assay Office and West Point Bullion Depository	Seattle Assay Office	Office of Director, Washington, D. C.	Total
General receipts:							
Seigniorage on subsidiary silver coinage.....	\$3,169,068.57	\$2,145,835.17	\$2,741,177.32				\$8,056,081.06
Seigniorage on minor coinage.....	3,404,900.35	250,950.10	2,079,733.26				5,735,583.71
Seigniorage on silver bullion, difference between cost value and monetary value.....	1,363,333.34	9,662,863.70					11,026,197.04
Charges on bullion deposits.....	13,477.69	62,791.78	15,237.05	\$54,881.59	\$17,336.35		163,724.46
Bar charges on bullion sales.....	560.21	306.44	2,678.70	33,410.84			36,956.19
Proceeds of surplus bullion recovered.....	16,014.89	4,694.39	17,573.47	35,368.69	13,735.39		87,386.83
Handling charges on gold purchases.....	3,475.84	58,866.70	55,806.12	249,798.20	21,976.82		389,923.68
Handling charges on gold sales.....	1,997.82	1,997.87	7,341.01	196,100.15			207,436.85
Charges on sales and handling, not otherwise classified.....	326.10						326.10
Commissions on telephone pay stations in Federal buildings outside of Washington, D. C.....	100.85		55.59				156.44
Fees, vending machines.....			58.20				58.20
Unclaimed funds and abandoned property, not otherwise classified.....	2.01					\$21.70	23.71
Fines, penalties, and forfeitures, not otherwise classified.....		4,504.14		2,757.64		1,000.00	8,261.78
Sale of scrap, salvage, and waste (by products), not otherwise classified.....	865.21						865.21
Sale of stores.....	7.75						7.75
Proceeds of medals sold.....	8,143.02						8,143.02
Testing fees.....	696.00		12.00	2,015.00	384.50		3,107.50
Fees and other charges for administrative, professional, and scientific services, not otherwise classified.....	83.00						83.00
Fees and charges for miscellaneous services, not otherwise classified.....	2,975.42					996.04	3,971.46
Sale of scrap and salvaged surplus materials.....	695.71	462.53	139.81	1,310.90			2,608.95
Sale of equipment.....				150.00			150.00
Refund of transportation charges.....						7.59	7.59
Recoveries, jury service.....		6.00	22.50	33.00			61.50
Repayments, lapsed appropriations.....	5.00		12.51			8.43	25.94
Refund on empty containers.....	75.00			92.50			167.50
Refund of terminal leave compensation.....	1,939.52						1,939.52
Recoveries and refunds, not otherwise classified.....	81.81			7.00			88.81
Total general account receipts.....	7,988,825.11	12,193,278.82	4,919,847.54	575,925.51	53,433.06	2,033.76	25,733,343.80
Special account receipts: Increment resulting from reduction in weight of the gold dollar.....	2,049.63	542.73	101.36	4,100.04	24.98		6,818.74
Total receipts.....	7,990,874.74	12,193,821.55	4,919,948.90	580,025.55	53,458.04	2,033.76	25,740,162.54

ADDENDA

Cash assets and liabilities of the United States Mint Institutions on June 30, 1950

ASSETS

Institution	Gold bullion		Silver bullion		
	Fine ounces	Value	Fine ounces	Value	
Philadelphia Mint	113, 501. 052	\$3, 972, 524. 89	123, 286, 533. 91	\$110, 895, 365. 33	
San Francisco Mint	14, 517, 798. 625	508, 122, 951. 80	554, 995, 758. 43	713, 538, 666. 25	
Denver Mint	164, 975, 527. 570	5, 774, 108, 464. 88	133, 298, 108. 99	161, 247, 535. 64	
New York Assay Office (including West Point Depository)	156, 007, 856. 845	5, 460, 274, 999. 63	339, 888, 684. 01	425, 208, 079. 86	
Seattle Assay Office	21, 105. 728	738, 700. 53	4, 116. 29	3, 179. 39	
Fort Knox Depository	356, 669, 010. 306	12, 483, 415, 360. 28			
Total	692, 304, 800. 126	24, 230, 633, 002. 01	1, 151, 473, 201. 63	1, 410, 892, 826. 47	
Institution		Silver coin	Minor coin	Paper currency	
Philadelphia Mint		\$152, 735, 407. 65	\$3, 890, 144. 69		
San Francisco Mint		33, 237, 375. 80	1, 768, 420. 89	\$23, 150. 00	
Denver Mint		18, 234, 656. 70	1, 212, 184. 84	12, 000. 00	
New York Assay Office (including West Point Depository)		48, 509, 862. 85		260, 000. 00	
Seattle Assay Office					
Fort Knox Depository					
Total		252, 717, 303. 00	6, 870, 750. 42	295, 150. 00	
Institution		Minor coinage metal	Reimbursable losses on melted coin	Checking credit with U. S. Treasurer	Total assets
Philadelphia Mint		\$291, 755. 00	\$517. 74	\$334, 404. 57	\$272, 120, 119. 87
San Francisco Mint		202, 522. 43	6, 952. 85	40, 810. 26	1, 256, 940, 850. 28
Denver Mint		233, 714. 26	5, 313. 57	104, 389. 64	5, 955, 158, 259. 53
New York Assay Office (including West Point Depository)					5, 934, 252, 942. 34
Seattle Assay Office					741, 879. 92
Fort Knox Depository					12, 483, 415, 360. 28
Total		727, 991. 60	12, 784. 16	479, 604. 47	25, 902, 629, 412. 22

LIABILITIES

Institution	Bullion fund	Minor coinage metal fund	Recoinage fund subsidiary	Recoinage fund minor	Total liabilities
Philadelphia Mint.....	\$270,842,170.45	\$525,000.00	\$650,211.34	\$102,738.08	\$272,120,119.87
San Francisco Mint.....	1,256,578,175.17	175,000.00	106,921.60	80,753.51	1,256,940,850.28
Denver Mint.....	5,954,607,407.23	300,000.00	140,142.56	110,709.74	5,955,158,259.53
New York Assay Office (including West Point Depository).....	6,934,252,942.34				6,934,252,942.34
Seattle Assay Office.....	741,879.92				741,879.92
Fort Knox Depository.....	12,483,415,360.28				12,483,415,360.28
Total.....	25,900,437,935.39	1,000,000.00	897,275.50	294,201.33	25,902,629,412.23

Cash assets and liabilities of the United States Mint Institutions on December 31, 1949

ASSETS

Institution	Gold bullion		Silver bullion	
	Fine ounces	Value	Fine ounces	Value
Philadelphia Mint.....	150,029.922	\$5,251,037.41	112,269,342.73	\$99,227,642.87
San Francisco Mint.....	13,903,071.361	486,607,497.48	545,096,083.88	608,510,400.83
Denver Mint.....	164,673,646.891	5,763,577,640.98	114,420,883.49	135,187,062.37
New York Assay Office (including West Point Depository).....	162,289,735.294	5,680,142,842.75	329,997,407.57	412,488,519.77
Seattle Assay Office.....	223,980.319	7,838,610.98	35,178.36	29,525.81
Fort Knox Depository.....	356,668,010.306	12,483,415,360.28		
Total.....	697,909,514.093	24,426,832,989.88	1,101,818,896.03	1,345,452,161.66

Institution	Silver coin	Minor coin	Paper currency
Philadelphia Mint.....	\$154,107,846.90	\$3,081,450.70	
San Francisco Mint.....	34,515,367.00	1,511,311.28	\$18,700.00
Denver Mint.....	18,042,049.90	1,373,579.98	9,260.00
New York Assay Office (including West Point Depository).....	48,660,804.00	.81	1,400,033.00
Seattle Assay Office.....			
Fort Knox Depository.....			
Total.....	255,326,067.80	5,966,351.77	1,428,643.00

*Cash assets and liabilities of the United States Mint Institutions on December 31, 1949—Continued***ASSETS—Continued**

Institution	Minor coinage metal	Reimbursable losses on melted coin	Checking credit with U. S. Treasurer	Total assets
Philadelphia Mint.....	\$224,713.68	\$22,998.49	\$418,412.97	\$262,334,112.02
San Francisco Mint.....	187,271.60		15,283.70	1,221,374,831.80
Denver Mint.....	193,710.95	6,484.56	20,231.19	5,918,410,009.93
New York Assay Office (including West Point Depository).....				6,142,692,860.33
Seattle Assay Office.....				7,868,136.79
Fort Knox Depository.....				12,483,415,360.28
Total.....	605,606.23	29,483.05	453,927.86	26,036,095,311.24

LIABILITIES

Institution	Bullion fund	Minor coinage metal fund	Recoinage fund subsidiary	Recoinage fund minor	Total liabilities
Philadelphia Mint.....	\$261,416,899.99	\$625,000.00	\$219,796.09	\$72,415.94	\$262,334,112.02
San Francisco Mint.....	1,221,036,680.10	175,000.00	88,085.35	75,066.44	1,221,374,831.80
Denver Mint.....	5,918,011,331.31	200,000.00	97,168.25	101,510.37	5,918,410,009.93
New York Assay Office (including West Point Depository).....	6,142,692,860.33				6,142,692,860.33
Seattle Assay Office.....	7,868,136.79				7,868,136.79
Fort Knox Depository.....	12,483,415,360.28				12,483,415,360.28
Total.....	26,034,441,268.80	1,000,000.00	405,049.69	248,992.75	26,036,095,311.24

United States coinage during the calendar year 1949

Denomination	Philadelphia	San Francisco	Denver	Total value	Total pieces
SILVER					
Half dollars:					
Regular.....	\$2,807,000	\$1,872,000	\$2,060,300	\$6,739,300	13,478,600
Commemorative: Booker T. Washington.....	6,002	6,002	6,002	18,006	36,012
Quarter dollars.....	2,328,000	-----	2,517,100	4,845,100	19,380,400
Dimes.....	8,094,000	1,351,000	2,603,400	7,048,400	70,484,000
Total silver.....	8,235,002	3,229,002	7,186,802	18,650,806	103,279,012
MINOR					
Five-cent pieces (cupro-nickel).....	8,032,000	495,800	1,824,900	5,343,300	106,866,000
One-cent pieces (bronze).....	2,177,750	642,900	1,531,325	4,351,975	435,197,500
Total minor.....	5,210,350	1,128,700	3,356,225	9,695,275	542,063,500
Total domestic coinage.....	13,445,352	4,357,702	10,643,027	28,346,081	645,442,512

United States coinage during the past 10 fiscal years—by denomination and number of pieces

Mint and denomination	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Total
PHILADELPHIA											
Silver:											
Half dollars.....	14,663,691	31,753,130	67,023,354	32,913,000	40,878,000	8,550,000	13,466,603	3,120,022	4,110,818	6,506,927	222,900,548
Quarter dollars.....	59,077,461	75,107,008	140,585,354	79,688,000	95,180,000	53,700,000	40,052,000	26,948,000	36,536,000	11,562,194	618,436,017
Dimes.....	114,015,402	150,180,424	254,009,254	156,430,000	244,130,000	166,910,000	225,450,000	87,700,000	80,720,000	5,302,573	1,493,847,653
Minor:											
5-cent pieces.....	202,871,278	158,484,400	216,594,600	161,678,000	108,748,100	140,067,000	122,272,000	98,764,000	82,116,000	50,331,554	1,341,926,932
1-cent pieces.....	803,295,372	1,070,230,100	279,242,800	1,119,423,670	1,577,669,000	678,664,000	849,500,000	244,135,000	255,735,000	173,240,416	7,051,135,358
Total.....	1,193,923,207	1,494,755,032	957,455,362	1,550,137,670	2,066,605,100	1,047,891,000	1,250,740,603	460,667,022	459,217,818	246,943,664	10,728,336,508
SAN FRANCISCO											
Silver:											
Half dollars.....	4,758,000	12,152,000	13,376,000	12,158,000	10,702,000	8,193,000	500,279	120,022	12,004	4,256,091	66,238,396
Quarter dollars.....	9,640,000	20,744,000	20,684,000	19,476,000	16,036,001	8,392,000	4,204,000	5,532,000	15,960,000	1,728,000	122,396,001
Dimes.....	28,290,000	55,930,000	53,160,000	63,530,000	45,370,000	42,470,000	16,070,000	23,680,000	35,520,000	13,510,000	377,530,000
Minor:											
5-cent pieces.....	48,455,000	28,780,000	89,490,000	61,510,000	17,360,000	60,579,000	22,260,000	4,620,000	21,016,000		354,070,000
1-cent pieces.....	95,810,000	147,170,000	71,170,000	418,490,000	83,160,000	135,470,000	232,300,000	118,900,000	55,585,000	58,860,000	1,417,915,000
Total.....	187,961,000	264,776,000	247,880,000	575,164,000	172,628,001	255,107,000	275,334,279	152,852,022	128,083,004	78,354,091	2,338,149,307
DENVER											
Silver:											
Half dollars.....	3,752,400	12,856,000	14,446,000	5,607,800	11,742,200	5,823,600	5,327,813	4,148,622	2,660,004	5,355,204	71,719,643
Quarter dollars.....	9,090,400	21,943,600	19,348,400	12,088,800	15,000,800	7,204,000	8,312,400	17,742,400	17,906,400	2,648,800	131,284,000
Dimes.....	39,380,000	59,670,000	100,471,000	24,462,000	52,151,000	57,583,500	57,947,000	33,394,000	63,685,000	9,770,000	498,513,500
Minor:											
5-cent pieces.....	63,902,000	38,820,000		30,442,000	29,519,000	41,980,000	52,438,200	20,868,000	53,215,000	20,645,000	351,829,200
1-cent pieces.....	101,340,000	222,070,000	132,498,000	380,740,000	298,488,000	242,538,000	366,385,000	113,250,000	186,480,000	133,555,000	2,177,344,000
Total.....	217,464,800	355,359,600	206,763,400	453,338,600	406,901,000	355,129,100	490,410,413	189,403,022	323,946,404	171,974,004	3,230,690,343
ALL MINTS											
Silver:											
Half dollars.....	23,182,094	56,761,130	94,845,354	50,683,800	63,322,200	22,569,600	19,294,695	7,388,666	6,782,826	16,118,222	360,948,587
Quarter dollars.....	77,807,861	117,794,608	180,617,754	111,250,800	126,216,801	69,296,000	52,568,400	50,222,400	70,402,400	15,938,994	872,116,018
Dimes.....	181,685,402	274,780,424	407,640,254	244,422,000	341,651,000	266,963,500	299,467,000	144,774,000	179,925,000	28,582,573	2,360,891,153
Minor:											
5-cent pieces.....	315,228,278	226,084,400	306,084,600	253,630,000	155,627,100	242,626,000	196,970,200	124,252,000	156,347,000	70,976,554	2,047,826,132
1-cent pieces.....	1,001,445,372	1,430,470,100	482,910,800	1,918,653,670	1,959,317,000	1,056,672,000	1,448,185,000	476,285,000	497,800,000	365,655,416	10,646,394,358
Grand total pieces.....	1,599,349,007	2,114,890,662	1,472,098,762	2,578,640,270	2,646,134,101	1,658,127,100	2,016,485,295	802,922,066	911,257,226	497,271,759	16,297,176,248

United States coinage during the past 10 fiscal years—by denomination and face value (cents rounded to nearest dollar)

Mint and denomination	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Total
PHILADELPHIA											
Silver:											
Half dollars.....	\$7,331,847	\$15,876,565	\$33,511,677	\$16,450,000	\$20,439,000	\$4,275,000	\$6,733,302	\$1,560,011	\$2,055,409	\$3,253,464	\$111,495,275
Quarter dollars.....	14,769,365	18,776,752	35,146,339	19,922,000	23,795,000	13,425,000	10,013,000	6,737,000	9,134,000	2,890,548	154,609,004
Dimes.....	11,401,540	15,918,042	25,400,925	15,043,000	24,413,000	16,691,000	22,545,000	8,770,000	8,072,000	530,257	149,384,765
Minor:											
5-cent pieces.....	10,143,564	7,924,220	10,829,730	8,083,900	5,437,405	7,003,350	6,113,600	4,938,200	4,105,800	2,516,578	67,096,347
1-cent pieces.....	8,032,954	10,702,301	2,792,428	11,194,237	15,776,600	6,786,640	8,495,000	2,441,350	2,557,350	1,732,404	70,511,352
Total.....	51,679,270	69,197,880	107,681,099	71,302,137	89,861,095	48,180,990	53,899,902	24,446,561	25,924,559	10,923,251	553,096,743
SAN FRANCISCO											
Silver:											
Half dollars.....	2,383,000	6,076,000	6,688,000	6,079,000	5,351,000	4,098,000	250,139	60,011	6,002	2,128,046	33,119,199
Quarter dollars.....	2,410,000	5,186,000	5,171,000	4,860,000	4,009,000	2,098,000	1,051,000	1,383,000	3,990,000	432,000	30,599,000
Dimes.....	2,829,000	5,593,000	5,316,000	6,353,000	4,537,000	4,247,000	1,607,000	2,368,000	3,552,000	1,351,000	37,753,000
Minor:											
5-cent pieces.....	2,422,750	1,439,000	4,474,500	3,075,500	868,000	3,028,950	1,113,000	231,000	1,050,800	-	17,703,500
1-cent pieces.....	968,100	1,471,700	711,700	4,184,900	831,600	1,354,700	2,323,000	1,189,000	555,850	588,600	14,179,150
Total.....	11,012,850	19,765,700	22,361,200	24,561,400	15,596,600	14,826,650	6,344,139	5,231,011	9,154,652	4,499,646	133,353,849
DENVER											
Silver:											
Half dollars.....	1,876,200	6,428,000	7,223,000	2,803,900	5,871,100	2,911,800	2,663,907	2,074,311	1,330,002	2,677,602	35,859,823
Quarter dollars.....	2,272,600	5,485,900	4,837,100	3,021,700	3,750,200	1,801,000	2,078,100	4,435,600	4,476,600	662,200	32,821,000
Dimes.....	3,938,000	5,967,000	10,047,100	2,446,200	5,215,100	5,758,350	5,794,700	3,339,400	6,368,500	977,000	49,851,350
Minor:											
5-cent pieces.....	3,195,100	1,941,000	-	1,522,100	1,475,950	2,099,000	2,621,910	1,043,400	2,660,750	1,032,250	17,591,460
1-cent pieces.....	1,013,400	2,230,700	1,324,980	3,807,400	2,984,880	2,425,380	3,663,850	1,132,500	1,864,800	1,335,550	21,773,440
Total.....	12,295,300	22,042,600	23,432,180	13,601,300	19,297,230	14,995,530	16,822,467	12,025,211	16,700,652	6,684,602	157,897,073
ALL MINTS											
Silver:											
Half dollars.....	11,591,047	28,380,565	47,422,677	25,341,900	31,661,100	11,284,800	9,647,348	3,694,333	3,391,413	8,059,111	180,474,295
Quarter dollars.....	19,451,965	29,448,652	45,154,439	27,812,700	31,554,200	17,324,000	13,142,100	12,555,600	17,600,600	3,984,749	218,029,005
Dimes.....	18,168,540	27,478,042	40,764,025	24,442,200	34,165,100	26,696,350	29,946,700	14,477,400	17,992,500	2,858,257	236,989,115
Minor:											
5-cent pieces.....	15,761,414	11,304,220	15,304,231	12,681,500	7,781,355	12,131,300	9,848,510	6,212,600	7,817,350	3,548,828	102,391,307
1-cent pieces.....	10,014,454	14,304,701	4,829,108	19,186,537	19,593,170	10,565,720	14,481,850	4,762,850	4,978,000	3,656,554	106,463,953
Grand total amount.....	74,987,420	111,006,180	153,474,480	109,464,837	124,754,925	78,003,170	77,066,508	41,702,783	51,779,863	22,107,499	844,347,675

*Authority for United States coinage, by class and denomination, with standard weight and fineness, and total coined*GOLD COINAGE¹

Denomination	Authorizing act	Standard weight	Standard fineness	Total coined to 1933 (May 19)	
50 dollars commemorative, Panama-Pacific International Exposition:					
Octagonal-----	Jan. 16, 1915	Grains 1,290	Thou-sandths 900	Pieces 1,509	Face amount \$75,450.00
Round-----	do-----	1,290	900	1,510	75,500.00
Double eagle (\$20)	Mar. 3, 1849	516	900	174,105,606	3,482,112,120.00
Do-----	Feb. 12, 1873	516	900		
Eagle (\$10)	Apr. 2, 1792	270	916½	57,683,485	576,834,850.00
Do-----	June 28, 1834	258	899.225		
Do-----	Jan. 18, 1837	258	900		
Do-----	Feb. 12, 1873	258	900		
Half eagle (\$5)	Apr. 2, 1792	135	916½		
Do-----	June 28, 1834	129	899.225		
Do-----	Jan. 18, 1837	129	900	78,911,869	394,559,345.00
Quarter eagle (\$2.50) ²	Feb. 12, 1873	129	900		
Do ²	Apr. 2, 1792	67.5	916½		
Do ²	June 28, 1834	64.5	899.225	20,216,590	50,541,475.00
Do ²	Jan. 18, 1837	64.5	900		
Quarter eagle (\$2.50), commemorative:	Feb. 12, 1873	64.5	900		
Panama-Pacific International Exposition-----	Jan. 16, 1915	64.5	900	10,017	25,042.50
Sesquicentennial Exhibition-----	Mar. 3, 1925	64.5	900	200,226	500,565.00
3 dollars ³	{ Feb. 21, 1853	77.4	900	539,792	1,619,376.00
1 dollar ³	{ Feb. 12, 1873	25.8	900	19,499,337	19,499,337.00
1 dollar, commemorative:					
Louisiana Purchase Exposition-----	June 28, 1902	25.8	900	250,258	250,258.00
Lewis and Clark Exposition-----	Apr. 13, 1904	25.8	900	60,069	60,069.00
Panama-Pacific International Exposition-----	Jan. 16, 1915	25.8	900	25,034	25,034.00
McKinley memorial-----	Feb. 23, 1916	25.8	900	30,040	30,040.00
Grant memorial-----	Feb. 2, 1922	25.8	900	10,016	10,016.00
Total gold-----				351,545,358	4,526,218,477.50

¹ Coinage of domestic gold coin discontinued in 1933; sec. 5 of the Gold Reserve Act of 1934 provides in part as follows:

"No gold shall hereafter be coined, and no gold coin shall hereafter be paid out or delivered by the United States * * *. All gold coin of the United States shall be withdrawn from circulation, and, together with all other gold owned by the United States, shall be formed into bars of such weights and degrees of fineness as the Secretary of the Treasury may direct."

² Discontinued by act of Apr. 11, 1930.

³ Discontinued by act of Sept. 26, 1890.

Authority for United States coinage, by class and denomination, with standard weight and fineness, and total coined—Continued

SILVER COINAGE

Denomination	Authorizing act	Standard weight	Standard fineness	Total coined to Dec. 31, 1949	
		Grains	Thou-sandths	Pieces	Face amount
Dollar ^{1, 2}	Apr. 2, 1792	416	892.4+		
Do. ^{1, 2}	Jan. 18, 1837	412½	900		
Do. ²	Feb. 28, 1878	412½	900		
Do. ²	July 14, 1890	412½	900		
Do. ²	Mar. 3, 1891	412½	900		
Do. ²	Apr. 23, 1918	412½	900		
Trade dollar ^{3, 4}	Feb. 12, 1873	420	900	35, 965, 924	35, 965, 924.00
Dollar, commemorative: Lafayette	Mar. 3, 1899	412½	900	50, 026	50, 026.00
Half dollar	Apr. 2, 1792	208	892.4+		
Do.	Jan. 18, 1837	206½	900		
Do.	Feb. 21, 1853	192	900		
Do.	Feb. 12, 1873	192.9	900		
Half dollar, commemorative:					
Columbian Exposition	Aug. 5, 1892	192.9	900	5, 002, 105	2, 501, 052.50
Panama-Pacific International Exposition	Jan. 16, 1915	192.9	900	60, 030	30, 015.00
Illinois Centennial	June 1, 1918	192.9	900	100, 058	50, 029.00
Maine Centennial	May 10, 1920	192.9	900	50, 028	25, 014.00
Landing of Pilgrims, Tercentinal	May 12, 1920	192.9	900	300, 165	150, 082.50
Alabama Centennial	May 10, 1920	192.9	900	70, 044	35, 022.00
Missouri Centennial	Mar. 4, 1921	192.9	900	50, 028	25, 014.00
Grant	Feb. 2, 1922	192.9	900	100, 061	50, 030.50
Monroe Doctrine Centennial	Jan. 24, 1923	192.9	900	274, 077	137, 038.50
Huguenot-Walloon	Feb. 26, 1923	192.9	900	142, 080	71, 040.00
Stone Mountain	Mar. 17, 1924	192.9	900	2, 314, 709	1, 157, 354.50
Battle Lexington-Concord	Jan. 14, 1925	192.9	900	162, 099	81, 049.50
California Diamond Jubilee	Feb. 24, 1925	192.9	900	150, 200	75, 100.00
Fort Vancouver	do	192.9	900	50, 028	25, 014.00
Sesquicentennial Exhibition	Mar. 3, 1925	192.9	900	1, 000, 528	500, 264.00
Battle of Bennington	Feb. 24, 1925	192.9	900	40, 034	20, 017.00
Oregon Trail	May 17, 1926	192.9	900	264, 419	132, 209.50
Hawaiian Discovery	Mar. 7, 1928	192.9	900	10, 008	5, 004.00
Texas Centennial	June 15, 1933	192.9	900	304, 193	152, 096.50
Daniel Boone Bicentennial	May 26, 1934	192.9	900	108, 603	54, 301.50
Maryland Tercentennial	May 9, 1934	192.9	900	25, 015	12, 507.50
Arkansas Centennial	May 14, 1934	192.9	900	120, 166	60, 083.00
Connecticut Tercentennial	June 21, 1934	192.9	900	25, 018	12, 500.00
City of Hudson, N. Y.	May 2, 1935	192.9	900	10, 008	5, 004.00
Providence, R. I., Tercentennial	do	192.9	900	50, 034	25, 017.00
California-Pacific Exposition	May 3, 1935	192.9	900	430, 224	215, 112.00
Old Spanish Trail	June 5, 1935	192.9	900	10, 008	5, 004.00
Columbia, S. C., Sesquicentennial	Mar. 18, 1936	192.9	900	25, 023	12, 511.50
Cincinnati, Ohio, fiftieth anniversary as music center	Mar. 31, 1936	192.9	900	15, 016	7, 508.00

¹ Dollar of 1792 discontinued by act of Jan. 18, 1837; dollar of 1837 discontinued by act of Feb. 12, 1873.² See following:

Silver-dollar coinage:

Act Apr. 2, 1792:

From 1792 to 1805..... \$1, 439, 517

During 1836..... 1, 000

\$1, 440, 517

Act Jan. 18, 1837: From 1839 to Feb. 12, 1873..... 6, 590, 721

Act Feb. 28, 1878 (Bland-Allison Act)..... 378, 166, 793

Act July 14, 1890 (Sherman Act), to date of repeal of purchasing clause thereof

Oct. 31, 1893..... \$36, 087, 285

Act Nov. 1, 1893, to June 12, 1898..... 42, 139, 872

Act June 13, 1898, war revenue bill..... 108, 800, 188

187, 027, 345

5, 078, 472

Act Mar. 3, 1887 and 1891, trade-dollar conversion.....

Act Apr. 23, 1918, Pittman Act replacement:

Old design, since Feb. 21, 1921..... \$86, 730, 000

Peace dollar, since Dec. 21, 1921..... 183, 502, 722

270, 232, 722

Act May 12, 1933 (sec. 43), Executive proclamation, Dec. 21, 1933..... 7, 021, 528

Act June 19, 1934 (sec. 7), Executive proclamation, Aug. 9, 1934..... 53, 029

Total.....

855, 611, 127

³ Coinage limited to export demand by joint resolution July 22, 1876. Redeemed \$7, 689, 036 at face amount under act Mar. 3, 1887, converted into 5, 078, 472 standard dollars and \$2, 889, 011 subsidiary silver coin.⁴ Discontinued by act of Mar. 3, 1887.⁵ 12½ grams, or 192.0 grains.

Authority for United States coinage, by class and denomination, with standard weight and fineness, and total coined—Continued

SILVER COINAGE—Continued

Denomination	Authorizing act	Standard weight	Standard fineness	Total coined to Dec. 31, 1949	
Half dollar, commemorative—Con. Long Island, N. Y., Tercenten- nial.	Apr. 13, 1936	Grains 192.9	Thou- sandths 900	Pieces 100,053	Face amount \$50,026.50
Great Lakes Exposition—Cleve- land, Ohio, Centennial.	May 5, 1936	192.9	900	50,030	25,015.00
New Rochelle, N. Y., two hun- dred and fiftieth anniversary.	do	192.9	900	25,015	12,507.50
Bridgeport, Conn., Centennial.	May 15, 1936	192.9	900	25,015	12,507.50
Wisconsin Centennial.	do	192.9	900	25,015	12,507.50
Swedes' landing in Delaware, Tercentennial.	do	192.9	900	25,015	12,507.50
Lynchburg, Va., Sesquicenten- nial.	May 28, 1936	192.9	900	20,013	10,006.50
Albany, N. Y., two hundred and fiftieth anniversary.	June 16, 1936	192.9	900	25,013	12,506.50
Elgin, Ill. Centennial.	do	192.9	900	25,015	12,507.50
Battle of Gettysburg, seventy- fifth anniversary.	do	192.9	900	50,028	25,014.00
Roanoke Island, N. C., three- hundred and fiftieth anniver- sary.	June 24, 1936	192.9	900	50,030	25,015.00
San Francisco - Oakland Bay Bridge.	June 26, 1936	192.9	900	100,055	50,027.50
York County, Maine Tercen- tennial.	do	192.9	900	25,015	12,507.50
Battle of Antietam, seventy-fifth anniversary.	June 24, 1937	192.9	900	50,028	25,014.00
Norfolk, Va., Tercentennial of land grant and bicentennial of city.	June 28, 1937	192.9	900	25,013	12,506.50
Iowa Centennial.	Aug. 7, 1946	192.9	900	100,057	50,028.50
Booker T. Washington.	do	192.9	900	2,097,016	1,048,508.00
Quarter dollar.	Apr. 2, 1792	104	892.4		
Do.	Jan. 18, 1837	103½	900	1,741,681,869	435,420,467.25
Do.	Feb. 21, 1853	96	900		
Do.	Feb. 12, 1873	96.45	900		
Quarter dollar, commemorative: Co- lumbian Exposition.	Mar. 3, 1893	96.45	900	40,023	10,005.75
20 cents ⁷ .	Mar. 3, 1875	87 77.16	900	1,355,000	271,000.00
Dime.	Apr. 2, 1792	41.6	892.4		
Do.	Jan. 18, 1837	41½	900		
Do.	Feb. 21, 1853	38.4	900	4,222,183,945	422,218,394.50
Do.	Feb. 12, 1873	38.58	900		
Half dime ¹⁰ .	Apr. 2, 1792	20.8	892.4		
Do. ¹⁰	Jan. 18, 1837	20½	900	97,604,388	4,880,219.40
Do. ¹⁰	Feb. 21, 1853	19.2	900		
3 cents ¹⁰ .	Mar. 3, 1851	12½	750		
Do. ¹⁰	Mar. 3, 1853	11.52	900	42,736,240	1,282,087.20
Total silver.				7,899,005,603	2,206,597,781.60

⁶ 6½ grams, or 96.45 grains.⁷ Discontinued by act of May 2, 1878.⁸ 5 grams, or 77.16 grains.⁹ 2½ grams, or 38.58 grains.¹⁰ Discontinued by act of Feb. 12, 1873.

Authority for United States coinage, by class and denomination, with standard weight and fineness, and total coined—Continued

MINOR COINAGE

Denomination	Authorizing act	Standard weight	Standard composition ¹	Total coined to Dec. 31, 1949
5 cents (nickel).....	May 16, 1866	Grains		
Do.....	Feb. 12, 1873	77.16		3, 356, 214, 532 \$167, 810, 726.00
5 cents (silver).....	(²)	77.16		869, 928, 700 43, 496, 185.00
3 cents (nickel) ³	Mar. 3, 1865	30		31, 378, 816 941, 349.48
Do ⁴	Feb. 12, 1873	30		46, 601, 000 912, 020.00
2 cents (bronze) ⁴	Apr. 22, 1864	96		
Cent (copper).....	Apr. 2, 1792	204		
Do.....	Jan. 14, 1793	208		
Do.....	Jan. 26, 1796	186		156, 238, 744 1, 568, 887.44
Do ⁴	Jan. 18, 1837	168		
Cent (nickel) ⁵	Feb. 21, 1857	72		200, 772, 000 2, 007, 720.00
Cent (bronze).....	Apr. 22, 1864	48		12, 026, 061, 008 120, 260, 610.98
Do.....	Feb. 12, 1873	48		
Cent (zinc-steel).....	(⁶)	41.5		1, 098, 838, 670 10, 938, 386.70
Do.....	(⁶)	42.5		
Cent (copper-zinc).....	(⁶)	48		5, 102, 786, 000 51, 027, 300.00
Half cent (copper).....	Apr. 2, 1792	122		
Do.....	Jan. 14, 1793	104		
Do.....	Jan. 26, 1796	84		7, 061, 822 39, 909.11
Do ⁴	Jan. 18, 1837	84		
Total minor.....				22, 890, 795, 882 308, 997, 155.31
Grand total gold, silver, and minor.....				31, 161, 346, 848 7, 131, 818, 417.41

¹ Composition—percent:

5 and 3 cents (nickel)—copper, 75; nickel, 25.
5 cents (silver)—copper, 56; silver, 38; manganese, 6.
2 and 1 cent (bronze)—copper, 95; tin and zinc, 5.

1 and $\frac{1}{2}$ cent (copper)—pure copper.

1 cent (nickel)—copper, 88; nickel, 12.

1 cent (zinc-steel)—steel, with obverse and reverse sides covered with a coating of not to exceed 0.001 inch zinc.

1 cent (copper-zinc)—copper 95; zinc 5.

² 5 cents (silver) coined, under provisions of act of Mar. 27, 1942, as amended by act of Dec. 28, 1945, from Oct. 1, 1942, until expiration of authority Dec. 31, 1945.

³ 3-cents (nickel) discontinued by act of Sept. 26, 1890.

⁴ 2-cents (bronze) discontinued by act of Feb. 12, 1873.

⁵ Proclamation of the President in conformity with act of Mar. 3, 1795.

⁶ Copper cent and half cent discontinued by act of Feb. 21, 1857.

⁷ Nickel cent discontinued by act of Apr. 22, 1864.

⁸ Zinc-steel cent coined, by order of Secretary of the Treasury dated Dec. 23, 1942, and May 15, 1943, pursuant to act of Dec. 18, 1942, during calendar year 1943.

⁹ Copper-zinc cent coined, by order of Secretary of the Treasury of Dec. 16, 1943, pursuant to act of Dec. 18, 1942, from Jan. 1944 until expiration of authority Dec. 31, 1946.

Estimated stock of coins in the United States on June 30, 1950

Item	Silver coin	Minor coin	Total coin
Stock in the United States on July 1, 1949.....	\$1, 482, 313, 062	\$371, 955, 700	\$1, 854, 268, 762
Coinage executed fiscal year 1950.....	14, 902, 117	7, 205, 382	22, 107, 499
Exports of United States coin fiscal year 1950 (net) ¹	+86, 346	+1, 578	+87, 924
Coin withdrawn from monetary use fiscal year 1950.....	3, 046, 067	698, 280	3, 744, 327
Coin used in industrial arts, general disappearance, etc., fiscal year 1950 ²	100, 000	1, 200	101, 200
Stock in the United States on June 30, 1950.....	1, 494, 155, 458	378, 463, 200	1, 872, 618, 658

¹ Partly estimated.

² Estimated.

Minor coins outstanding on June 30, 1950¹

Denomination and composition ²	Total coined	Total withdrawn from monetary use ³	Total outstanding ⁴
Half cents, copper ⁵ -----	\$39,909.11	\$3.77	\$39,905.34
Cents:			
Copper-----	1,562,887.44	383,847.82	1,179,039.62
Nickel-copper-----	2,007,720.00	809,581.36	1,198,138.64
Bronze and copper-zinc-----	173,584,975.14	2,693,727.07	170,891,248.07
Zinc-coated steel-----	10,938,386.70	528,887.70	10,409,499.00
2 cents, bronze-----	912,020.00	344,264.90	567,755.10
3 cents, nickel-copper-----	941,349.48	288,116.22	653,233.26
5 cents:			
Nickel-copper-----	168,152,304.30	13,257,672.20	154,894,632.10
Copper-silver-manganese-----	43,496,185.00	145,234.50	43,350,950.50
Total-----	401,635,737.17	18,451,335.54	383,184,401.63

¹ Will not agree with figures in table, stock of (minor) coins in the United States. (See Bases Used for Mint Service Statistics.)

² See table, Authority for United States coinage, for weights and proportions of metals.

³ Consists only of worn and mutilated coins unfit for circulation, returned to the mints and melted.

⁴ Represents total coinage minus worn and mutilated coins returned to the mints and melted.

⁵ There is no record of the earlier melting of copper half cents, but it is believed that few, if any, are now in circulation.

Estimated stock of coins in the United States on Dec. 31, 1949

Item	Silver coin	Minor coin	Total coin
Stock in the United States on Jan. 1, 1949-----	\$1,470,479,576	\$367,002,870	\$1,837,482,446
Coinage executed calendar year 1949-----	18,650,806	9,695,275	28,346,081
Exports of United States coin calendar year 1949 (net) ¹ -----	+29,259	+160,421	+189,680
Coin withdrawn from monetary use calendar year 1949-----	2,610,859	553,852	3,164,711
Coin used in industrial arts, general disappearance, etc., calendar year 1949 ² -----	100,000	1,200	101,200
Stock in the United States on Dec. 31, 1949-----	1,486,448,782	376,303,514	1,862,752,296

¹ Partly estimated.

² Estimated.

Coinage by the United States mints for other countries during the fiscal year 1949

[Corrected table: Coinage for Venezuela during fiscal year 1949 was executed at San Francisco instead of Denver]

Country and denomination	Composition	Gross weight per coin	Coinage by mint at—			
			Philadelphia	San Francisco	Denver	Total
China: Dollar-----	880 silver, 120 copper-----	Grains 412	Pieces 9,950,000			
Cuba:						
20 centavos-----	900 silver, 100 copper-----	77.16	20,000,000			20,000,000
10 centavos-----do-----		38.58	15,000,000			15,000,000
Total Cuba-----			35,000,000			35,000,000
Dominican Republic:	95 copper, 5 zinc and tin.	48	3,000,000			3,000,000
Mexico: 1 peso-----	902.7 silver, 97.3 copper.	417.81		1,250,000		1,250,000
Saudi Arabia: 1 riyal-----	916½ silver, 83½ copper.	180	10,000,000			10,000,000
Venezuela:						
½ bolívar-----	835 silver, 165 copper-----	19.29		4,160,000		4,160,000
5 centimos-----75 copper, 25 nickel-----		38.58		10,600,000		10,600,000
Total Venezuela-----				14,760,000		14,760,000
Grand total-----				57,950,000	16,010,000	76,370,000

Coinage by the United States mints for other countries during the calendar year 1949

Country and denomination	Composition	Gross weight per coin	Coinage by mint at—			
			Philadelphia	San Francisco	Denver	Total
China: Dollar.....	880 silver, 120 copper.....	Grains 412	Pieces 20, 250, 000	Pieces 3, 200, 000	Pieces 6, 550, 000	Pieces 30, 000, 000
Cuba:						
20 centavos.....	900 silver, 100 copper.....	77.16	13, 170, 000			13, 170, 000
10 centavos.....	do.....	38.58	9, 880, 000			9, 880, 000
Total.....			23, 050, 000			23, 050, 000
Dominican Republic:						
1 centavo.....	95 copper, 5 zinc and tin.....	48	3, 000, 000			3, 000, 000
Ethiopia:						
10 cents.....	95 copper, 5 zinc.....	94	16, 000, 000			16, 000, 000
5 cents.....	do.....	62	16, 000, 000			16, 000, 000
Total.....			32, 000, 000			32, 000, 000
Haiti:						
10 centimes.....	75 copper, 25 nickel.....	61.73	5, 000, 000			5, 000, 000
5 centimes.....	do.....	42.44	10, 000, 000			10, 000, 000
Total.....			15, 000, 000			15, 000, 000
Honduras:						
5 centavos.....	75 copper, 25 nickel.....	77.16	2, 000, 000			2, 000, 000
2 centavos.....	95 copper, 5 zinc and tin.....	46.30	3, 000, 000			3, 000, 000
1 centavo.....	do.....	30.86	4, 000, 000			4, 000, 000
Total.....			9, 000, 000			9, 000, 000
Mexico: 1 peso.....	902.7 silver, 97.3 copper.....	417.81		2, 000, 000		2, 000, 000
Saudi Arabia: 1 riyal.....	916½ silver, 83½ copper.....	180	10, 000, 000			10, 000, 000
Venezuela:						
½ bolívar.....	835 silver, 165 copper.....	19.29		8, 637, 944		8, 637, 944
12½ centimos.....	75 copper, 25 nickel.....	77.16		6, 000, 000		6, 000, 000
5 centimos.....	do.....	38.58		18, 000, 000		18, 000, 000
Total.....				32, 637, 944		32, 637, 944
Grand total.....			112, 300, 000	37, 837, 944	6, 550, 000	156, 687, 944

70 ANNUAL REPORT OF THE DIRECTOR OF THE MINT

Summary of foreign coinage by United States mints, by year, through Dec. 31, 1944

Year	Number of pieces	Year	Number of pieces
1876-77	12,000,000	1923	4,369,000
1883-84	1,950,000	1924	12,663,196
1895	4,500,000	1925	13,461,000
1896	500,000	1926	14,587,000
1898	3,346,714	1927	3,650,000
1899	906,089	1928	16,701,000
1900	320,000	1929	34,980,000
1901	225,000	1930	3,300,120
1902		1931	4,498,020
1903	21,292,844	1932	9,756,066
1904	70,640,489	1933	15,240,000
1905	36,675,526	1934	24,280,000
1906	13,321,394	1935	109,600,850
1907	45,313,047	1936	32,350,000
1908	29,645,359	1937	26,900,000
1909	11,298,981	1938	48,579,644
1910	7,153,818	1939	15,725,000
1911	7,794,406	1940	33,170,000
1912	6,244,348	1941	208,603,500
1913	7,309,258	1942	307,737,000
1914	17,335,005	1943	186,682,000
1915	55,485,190	1944	788,498,000
1916	37,441,328	1945	*1,802,376,008
1917	25,208,497	1946	504,528,000
1918	60,102,000	1947	277,376,094
1919	100,269,195	1948	21,950,000
1920	99,002,334	1949	156,687,944
1921	55,094,352		
1922	7,863,030	Total	1 5,416,787,676

^a Revision.

^b Total includes 67,156,381 planchets.

Summary of foreign coinage by United States mints, by countries, through Dec. 31, 1944

Country	Number of pieces produced	Country	Number of pieces produced
Argentina	64,058,334	Honduras	31,400,000
Australia	168,000,000	Indo China	135,270,000
Belgian Congo	25,000,000	Liberia	1,312,500
Belgium	25,000,000	Mexico	91,076,840
Bolivia	30,000,000	Netherlands	562,500,000
China	39,720,096	Netherlands East Indies	1,716,368,000
Colombia	133,461,872	Nicaragua	26,080,000
Costa Rica	9,123,803	Panama	20,624,880
Cuba	334,609,888	Peru	136,045,669
Curacao	12,000,000	Philippines	897,782,332
Dominican Republic	26,917,803	Poland	6,000,000
Ecuador	214,451,060	Saudi-Arabia	124,712,574
El Salvador	79,695,351	Siam	20,000,000
Ethiopia	170,433,730	Surinam	21,195,000
Fiji	4,800,000	Syria	7,000,000
France	50,000,000	Venezuela	207,262,944
Greenland	100,000		
Guatemala	7,835,000	Total (36 countries)	5,416,787,676
Haiti	15,000,000		
Hawaii (prior to United States accession)	1,950,000		

Price of silver in London 1949-50¹

Year and month	London price per ounce 0.999 fine ²			Average monthly pound sterling exchange, New York on London ³	United States equivalent of average monthly London price per ounce 0.999 fine
	Highest	Lowest	Average		
1949					
January	42½	42½	42.5000	4.0313	0.71388
February	43½	42½	43.0000	4.0313	.72229
March	43½	43½	43.5000	4.0311	.73064
April	43½	43½	43.5000	4.0300	.73044
May	43½	43½	43.5000	4.0304	.73051
June	43½	43½	43.5000	4.0285	.73017
July	43½	43½	43.5000	4.0298	.73040
August	44½	43½	43.7273	4.0289	.73405
September	64	44½	52.2976	3.4436	.75039
October	64	63½	63.8869	2.8009	.74559
November	64	64	64.0000	2.8008	.74688
December	64	64	64.0000	2.8007	.74685
Average			49.2427	3.6872	.75622
1950 ⁴					
January	64	64	64.0000	2.8007	.74685
February	64	64	64.0000	2.8007	.74685
March	64	63	63.9565	2.8007	.74635
April	63	63	63.0000	2.8007	.73518
May	63½	63	63.4091	2.8007	.73096
June	63½	63½	63.5000	2.8007	.74102

¹ For annual prices 1833-1943, see Annual Report for 1944, p. 88; and for subsequent years, see each succeeding report.

² Bullion quotations in the London market changed from 0.925 fine to 0.999 fine on Jan. 2, 1945.

³ Averages of certified noon buying rates in New York for cable transfers.

⁴ Average during U. S. Government fiscal year 1950, 59,4398 pence, United States equivalent \$0.74253.

Price of silver in New York, 1947-50

Month	New York price per ounce 0.999 fine											
	1947			1948			1949			1950		
	High- est	Low- est	Aver- age	High- est	Low- est	Aver- age	High- est	Low- est	Aver- age	High- est	Low- est	Aver- age
January	Dol- lars	Dol- lars	Dol- lars	Dol- lars	Dol- lars	Dol- lars	Dol- lars	Dol- lars	Dol- lars	Dol- lars	Dol- lars	Dol- lars
January	0.83750	0.70750	0.76500	0.74625	0.74625	0.74625	0.70000	0.70000	0.70000	0.73250	0.73250	0.73250
February	.80250	.70750	.72329	.74625	.74625	.74625	.71500	.70000	.70803	.73250	.73250	.73250
March	.86250	.70875	.77339	.74625	.74625	.74625	.71500	.71500	.71500	.73250	.71750	.73098
April	.76000	.73750	.75653	.74625	.74625	.74625	.71500	.71500	.71500	.71750	.71750	.71750
May	.73750	.70750	.72512	.74625	.74625	.74625	.71500	.71500	.71500	.72750	.71750	.72614
June	.70750	.59750	.66810	.74625	.74625	.74625	.71500	.71500	.71500	.72750	.72750	.72750
July	.64750	.61750	.63508	.74625	.74625	.74625	.71750	.71750	.71750	-----	-----	-----
August	.69750	.61750	.65655	.74625	.72750	.73835	.73000	.71500	.71891	-----	-----	-----
September	.71375	.68750	.70601	.76500	.74750	.75345	.73250	.73000	.73214	-----	-----	-----
October	.74500	.71375	.71625	.77500	.74750	.77213	.73250	.73250	.73250	-----	-----	-----
November	.74625	.74625	.74625	.74750	.70000	.73566	.73250	.73250	.73250	-----	-----	-----
December	.74625	.74625	.74625	.70000	.70000	.70000	.73250	.73250	.73250	-----	-----	-----
Average ¹	-----	-----	.71820	-----	-----	.74361	-----	-----	.71930	-----	-----	-----

¹ Averages shown on table are for calendar years.

On a Government fiscal year basis averages are as follows:

Fiscal year 1947, \$0.81538.

Fiscal year 1948, \$0.72371.

Fiscal year 1949, \$0.72616.

Fiscal year 1950, \$0.72756.

Highest, lowest, and average price of silver per fine ounce in New York since 1874¹

Calendar year	Quotations			Calendar year	Quotations		
	Highest	Lowest	Average		Highest	Lowest	Average
1874.....	\$1.29375	\$1.25500	\$1.27195	1912.....	\$0.65625	\$0.55250	\$0.62006
1875.....	1.26125	1.21000	1.23883	1913.....	.65125	.58000	.61241
1876.....	1.26000	1.03500	1.14950	1914.....	.60875	.49000	.56331
1877.....	1.26000	1.16000	1.19408	1915.....	.58000	.47750	.51062
1878.....	1.20750	1.08500	1.15429	1916.....	.79125	.57250	.67151
1879.....	1.16750	1.06500	1.12088	1917.....	1.16500	.73125	.84000
1880.....	1.15000	1.11250	1.13931	1918.....	1.01937	.88937	.98445
1881.....	1.14500	1.11000	1.12823	1919.....	1.38250	1.01375	1.12087
1882.....	1.15000	1.09000	1.13555	1920.....	1.37875	.60375	1.01940
1883.....	1.11750	1.09500	1.10874	1921.....	.73813	.53188	.63096
1884.....	1.13250	1.08000	1.11161	1922.....	.74188	.62875	.67934
1885.....	1.09500	1.02750	1.06428	1923.....	.69000	.62875	.65239
1886.....	1.03500	.92500	.99880	1924.....	.72375	.63000	.67111
1887.....	1.03500	.95000	.97899	1925.....	.73187	.66812	.69406
1888.....	.97750	.92000	.94300	1926.....	.68937	.51812	.62428
1889.....	.97250	.92500	.93634	1927.....	.60312	.54187	.56680
1890.....	1.20500	.95750	1.05329	1928.....	.63937	.50812	.58488
1891.....	1.07500	.94750	.99033	1929.....	.57812	.46812	.53306
1892.....	.95250	.83000	.87552	1930.....	.47187	.31062	.38465
1893.....	.85000	.65000	.78219	1931.....	.37562	.26062	.29013
1894.....	.70000	.59500	.64043	1932.....	.31312	.24562	.28204
1895.....	.69000	.60000	.66268	1933.....	.45312	.24812	.34997
1896.....	.70250	.65625	.68195	1934.....	.56062	.42062	.48253
1897.....	.66125	.52750	.60774	1935.....	.81312	.50062	.64582
1898.....	.62250	.55125	.59064	1936.....	.50062	.45062	.45399
1899.....	.64750	.58625	.60507	1937.....	.47062	.45062	.45195
1900.....	.65750	.59750	.62065	1938.....	.45062	.43062	.43537
1901.....	.64500	.54750	.59703	1939.....	.43062	.35062	.39395
1902.....	.56875	.47375	.52815	1940.....	.35937	.35062	.35085
1903.....	.62375	.47500	.54208	1941.....	.35437	.35062	.35095
1904.....	.62500	.53375	.57843	1942.....	.45062	.35437	.38645
1905.....	.66500	.55625	.61008	1943.....	.45062	.45062	.45062
1906.....	.72375	.63125	.67379	1944.....	.45062	.45062	.45062
1907.....	.71000	.52750	.65978	1945.....	.70750	.44750	.51928
1908.....	.58875	.48250	.53496	1946.....	.90125	.70750	.80151
1909.....	.54500	.50750	.52163	1947.....	.86250	.59750	.71820
1910.....	.57625	.50750	.54245	1948.....	.77500	.70000	.74361
1911.....	.57500	.52125	.54002	1949.....	.73250	.70000	.71930

¹ Quotations are asked prices 1874-1917; mean of bid and asked prices 1918-1944; "official" prices 1945 and thereafter.

Bullion value of the silver dollar [37 1/4 grains of pure silver] at the annual average price of silver each calendar year since 1837¹

Year	Value	Year	Value	Year	Value	Year	Value	Year	Value
1837.....	\$1.009	1860.....	\$1.045	1883.....	\$0.85754	1906.....	\$0.52353	1928.....	\$0.45237
1838.....	1.008	1861.....	1.031	1884.....	.85904	1907.....	.51164	1929.....	.41229
1839.....	1.023	1862.....	1.041	1885.....	.82379	1908.....	.41371	1930.....	.29751
1840.....	1.023	1863.....	1.040	1886.....	.76931	1909.....	.40231	1931.....	.22440
1841.....	1.018	1864.....	1.040	1887.....	.75755	1910.....	.41825	1932.....	.21814
1842.....	1.007	1865.....	1.035	1888.....	.72683	1911.....	.41709	1933.....	.27068
1843.....	1.003	1866.....	1.036	1889.....	.72325	1912.....	.47543	1934.....	.37344
1844.....	1.008	1867.....	1.027	1890.....	.80927	1913.....	.46760	1935.....	.49950
1845.....	1.004	1868.....	1.025	1891.....	.76416	1914.....	.42760	1936.....	.35113
1846.....	1.005	1869.....	1.024	1892.....	.67401	1915.....	.40135	1937.....	.34956
1847.....	1.011	1870.....	1.027	1893.....	.60351	1916.....	.53004	1938.....	.33673
1848.....	1.008	1871.....	1.025	1894.....	.49097	1917.....	.60242	1939.....	.30470
1849.....	1.013	1872.....	1.022	1895.....	.50587	1918.....	.76142	1940.....	.27136
1850.....	1.018	1873.....	1.00368	1896.....	.52257	1919.....	.86692	1941.....	.27144
1851.....	1.034	1874.....	.98909	1897.....	.46745	1920.....	.78844	1942.....	.29889
1852.....	1.025	1875.....	.96086	1898.....	.45640	1921.....	.48801	1943.....	.34833
1853.....	1.042	1876.....	.90039	1899.....	.46525	1922.....	.52543	1944.....	.34853
1854.....	1.042	1877.....	.92958	1900.....	.47958	1923.....	.50458	1945.....	.40163
1855.....	1.039	1878.....	.89222	1901.....	.46093	1924.....	.51906	1946.....	.61992
1856.....	1.039	1879.....	.86928	1902.....	.40835	1925.....	.53681	1947.....	.55548
1857.....	1.046	1880.....	.88564	1903.....	.41960	1926.....	.48284	1948.....	.57514
1858.....	1.039	1881.....	.87575	1904.....	.44763	1927.....	.43838	1949.....	.55689
1859.....	1.052	1882.....	.87833	1905.....	.47200				

¹ Based upon asked prices through 1917; mean of bid and asked prices 1918-44; New York "official" prices 1945 and thereafter.

Average commercial ratio of silver to gold each calendar year since 1837¹

Year	Ratio	Year	Ratio	Year	Ratio	Year	Ratio	Year	Ratio
1837	15.83	1860	15.29	1883	18.64	1906	30.54	1928	35.34
1838	15.85	1861	15.50	1884	18.61	1907	31.24	1929	38.78
1839	15.62	1862	15.35	1885	19.41	1908	38.64	1930	53.74
1840	15.62	1863	15.37	1886	20.78	1909	39.74	1931	71.25
1841	15.70	1864	15.37	1887	21.10	1910	38.22	1932	73.29
1842	15.87	1865	15.44	1888	22.00	1911	38.33	1933	59.06
1843	15.93	1866	15.43	1889	22.10	1912	33.62	1934	72.49
1844	15.85	1867	15.57	1890	19.75	1913	34.19	1935	54.19
1845	15.92	1868	15.59	1891	20.92	1914	37.37	1936	77.09
1846	15.90	1869	15.60	1892	23.72	1915	40.48	1937	77.44
1847	15.80	1870	15.57	1893	26.49	1916	30.78	1938	80.39
1848	15.85	1871	15.57	1894	32.56	1917	24.61	1939	88.84
1849	15.78	1872	15.63	1895	31.60	1918	21.60	1940	99.76
1850	15.70	1873	15.93	1896	30.59	1919	18.44	1941	99.73
1851	15.46	1874	16.16	1897	34.20	1920	20.28	1942	90.57
1852	15.59	1875	16.64	1898	35.03	1921	32.76	1943	77.67
1853	15.33	1876	17.75	1899	34.36	1922	30.43	1944	77.67
1854	15.33	1877	17.20	1900	33.33	1923	31.69	1945	67.40
1855	15.38	1878	17.92	1901	34.68	1924	30.80	1946	43.67
1856	15.38	1879	18.39	1902	39.15	1925	29.78	1947	48.73
1857	15.27	1880	18.05	1903	38.10	1926	33.11	1948	47.07
1858	15.38	1881	18.25	1904	35.70	1927	36.47	1949	48.61
1859	15.19	1882	18.20	1905	33.87				

¹ For ratios from 1867-1836, see p. 91 of the 1944 Annual Report. Ratios shown above from 1837-1878 inclusive are from Pixley and Abell's tables. Ratios since 1878 are based upon the price of gold at \$20.67+ per fine ounce until 1934 and at \$35 per fine ounce thereafter; and upon the prices of silver as shown in the preceding table titled "Highest, lowest, and average price of silver per fine ounce in New York since 1874."

Summary of total United States exports and imports of gold and silver during the fiscal year 1950¹

Description	Gold		Silver	
	Exports	Imports	Exports	Imports
Ore and base bullion	\$79,000	\$33,197,384		
Refined bullion	67,120,570	701,156,883	\$846,350	37,845,462
United States coin	269		507,655	1,785,356
Foreign coin	4,223,525	883	15,294,522	8,732,009
Total	71,423,364	734,355,150	16,648,527	72,974,849

¹ Data compiled by the U. S. Department of Commerce, Bureau of the Census, Foreign Trade Division.

Summary of total United States exports and imports of gold and silver during the calendar year 1949¹

Description	Gold		Silver	
	Exports	Imports	Exports	Imports
Ore and base bullion	\$97,070	\$36,160,075		
Refined bullion	80,644,060	735,209,711	\$2,180,010	45,656,380
United States coin	269	6,500	1,142,405	1,292,798
Foreign coin	4,194,279	13,975	19,958,628	4,020,352
Total	84,935,678	771,390,261	23,281,043	73,535,694

¹ Data compiled by the U. S. Department of Commerce, Bureau of the Census, Foreign Trade Division.

WORLD MONETARY STATISTICS

The statistics of foreign countries on production and coinage of gold and silver and stocks of money, published annually in the reports of the Bureau of the Mint, are obtained, so far as practicable, directly from the governments of such countries by the representatives of the United States accredited to them.

Interrogatories covering the points on which information is sought are sent yearly to the United States Ambassadors and Ministers through the Department of State, and the replies in the form of reports are forwarded directly to the Bureau of the Mint.

Receipts of replies to the interrogatories are frequently delayed in transmission, and the available data for the calendar year under review are often incomplete. In a general way interrogatory answers are herein published as received, with the addition of equivalents. If inaccuracies are apparent, information that would warrant the making of possible corrections is often unavailable.

In the absence of dependable official returns from foreign countries the most reliable data available are used in compiling world statistics.

Tables include the following:

1. Gold and silver monetary stocks of principal countries of the world at end of calendar year 1949.
2. Coinage of nations during the year ended December 31, 1949.
3. Mints of the world in operation during the year ended December 31, 1949.
4. Coins withdrawn from active circulation in various countries of the world during the year ended December 31, 1949.
5. Gold and silver in the form of old plate, jewelry, and other old material returned from use in the industrial arts by being deposited with the monetary authority in various countries of the world during the year ended December 31, 1949.
6. Estimated quantity of gold and silver used in the industrial arts in various countries of the world during the year ended December 31, 1949.
7. Characteristics of coins in circulation at end of December 1949.
8. World production of gold, 1944-49, by countries, in fine ounces (compiled by the Bureau of Mines, U. S. Department of Interior).
9. World production of silver, 1944-49, by countries, in fine ounces (compiled by the Bureau of Mines, U. S. Department of Interior).
10. Coinage of nations during the year ended December 31, 1948. (part).

Gold and silver monetary stocks of principal countries of the world at end of calendar year 1949 (subject to revision)

[Gold reported on quantity basis, in troy ounces, grams, or kilograms and converted to United States money at rate of \$35 per fine ounce (1 United States dollar is legally defined as 15½ grains of gold 9/10 fine). Silver reported face amount converted to United States money at exchange rate, or reported quantity valued at New York average market rate for December 1949, \$0.7325 per ounce 99 1/1000 fine]

Country	Monetary unit	Exchange rate —average for December 1949 (New York rate if certified)	Gold bullion and coin held by Government agencies		Silver bullion and coin—U. S. dollar value			
			Number of fine troy ounces (000 omitted)	U. S. dollar value (000 omitted)	Bullion held by Govern- ment agen- cies (000 omitted)	Coin held by Govern- ment agen- cies (000 omitted)	Coin (esti- mated) in circulation including coin in commercial banks (000 omitted)	
United States	Dollar	\$1.00000	701,807	\$24,563,253	\$2,097,678	\$333,278	\$1,153,171	\$3,584,127
Afghanistan	Afghani	.05952	1 1,143	1 40,000	7,611			7,611
Algeria and Tunisia	Franc	.00286	168	5,892				
Australia ¹	Pound	3.21220	2,517	88,102	5,685	13,169	83,128	101,982
Austria	Schilling	.07027	1,456	50,944				
Belgian Congo	Franc	.02000	637	22,295				
Belgium	do	.02000	19,907	699,880	3,702	4,155	357	357
Bolivia	Boliviano	.02381	3 686	3 24,003	4	52	17,005	24,862
Brazil	Cruzeiro	.05441	9,053	316,843				56
British East Africa	Shilling	.14003				2,760	18,292	21,052
British Guiana	Dollar	.58348				278	1,274	1,552
British Honduras	do	.70017					105	105
British Malaya	do	.32675				108	7,917	8,025
British West Indies:								
Barbados	do	.58348					258	258
Jamaica	Pound	2.80070					4,930	4,930
Trinidad and Tobago	Dollar	.58348					314	400
Canada	do	.90909	14,223	497,810	672	130	61,574	62,376
Chile	Peso	.03226	1,141	39,933				
Colombia	do	.51282	1,474	51,590				
Costa Rica	Colon	.17857	58	2,029				
Cuba	Peso	1.00000	8,535	298,719		8 85,146	8 8,322	8 93,468
Cyprus	Pound	2.80070					1,148	1,148
Denmark	Krone	.14494	900	31,508				
Dominican Republic	Peso or dollar	1.00000	115	4,030		1	1,349	1,350
Ecuador	Sucre	.07407	500	20,641	198	879	1,134	2,211
Egypt and Anglo-Egyptian Sudan	Pound	2.87470	1,525	53,361			116,880	116,880
El Salvador	Colon	.40000	404	17,281		171	1,140	1,320

	Dollar.	72	2,513	3,734	74	10,150	13,884
	Pound.	2,52315	6,053			570	644
Ethiopia.		.40323					
Fiji.		2,52315					
Finland.		.00437	173				
France.		(free) .00286	1 15,543	1 544,000	3,175		
Germany.		Reichsmark.			1,535	4,101	
Greece.		.00020	183	6,390			
Guatemala.		1,00000	778	27,229	1	28	
Haiti.		.20000	76	2,649		130	
Honduras.		.50000	2	64		4,000	
Hungary.		.08584	1,160	40,913		8,004	
Iceland.		.01732	29	1,016			
India.		.20870	7,066	247,298	(*)	(*)	(*)
Indonesia ¹ .							
Iran ¹ .							
Iraq.							
Ireland.		2,80125	490	17,448			
Italy.		.00160	7,371	258,001	16,649	3,142	
Japan.		.00278	110	13,846	5,080		
Lebanon.							
Liberia.		4,5631	554	19,391			
Luxembourg.		1,00000					
Mexico.		.02000	78	2,735			
Morocco.		.11572	1,490	52,165	26,995		
Netherlands.							
Netherlands Guiana (Surinam).		.00286	306	10,716	164		
Netherlands West Indies.							
New Zealand.		.26289	5,605	196,177	11,171		
Nicaragua.		.53026	40	1,414	1		
Norway.		.53026	560	19,589			
Pakistan.		2,77290	763	26,688			
Panama.		.20000	79	2,757			
Paraguay.		.14015	1,469	51,409			
Peru.		.30303	776	27,175			
Philippines.		1,00000	(*)	10			
Portugal.		.32890	6	194			
Portuguese East Africa (Mozambique).		.06165	801	28,038			
Sarawak.		.49687	39	1,361	13		
Southern Rhodesia ¹¹ .		.03482	5,078	177,740	127		
Spain.		.03465	303	10,593			
Sweden.		.32667					
Switzerland.		2,80070					
Syria.		.09132	2,440	85,387			
Thailand (Siam).		.19333	1,998	60,931			
Turkey.		.23289	42,973	1,504,044	966	7,220	
Union of South Africa.		.45641	82	2,870			
United Kingdom.		.06321	3,377	118,184	18	90	
Uruguay.		.35714	4,406	154,182	2,111	5,824	
Venezuela.		2,78380	3,679	128,771	541	1,100	
		2,80070	(*)	(*)	(*)	12 14,564	
		.65833	5,093	178,265		11,467	
		.29851	14 10,973	14 384,066		5,059	

See footnotes at end of table.

Gold and silver monetary stocks of principal countries of the world at end of calendar year 1949 (subject to revision)—Continued

Country	Monetary unit	Exchange rate —average for December 1949 (New York rate if certified)	Gold bullion and coin held by Government agencies		Silver bullion and coin—U. S. dollar value		
			Number of fine troy ounces (000 omitted)	U. S. dollar value (000 omitted)	Bullion held by Govern- ment agen- cies (000 omitted)	Coin held by Govern- ment agen- cies (000 omitted)	Coin (esti- mated) in circulation including coin in commercial banks (000 omitted)
Other countries ¹³			52,959	\$1,853,357			
Bank for International Settlements.....			1,955	68,416			
International Monetary Fund.....			41,447	1,450,633			
Total ¹⁴			1,001,531	35,063,414	\$2,238,821	\$585,074	\$2,175,349
							\$4,000,244

¹ Approximate.² January 1949.³ Includes holdings of commercial and development banks which are partly estimated.⁴ Amount in commercial banks. Amount in circulation not available.⁵ Includes United States silver subsidiary coin which also circulates.⁶ Data not available.⁷ March 1949.⁸ In addition, the Allied Occupation Forces held in custody 3,552,000 fine ounces of gold valued at \$124,327,000, of which 1,075,000 fine ounces valued at \$37,827,000 were earmarked for governments other than Japan (included in total).⁹ In addition, the Allied Occupation Forces held in custody 64,845,000 fine ounces of silver valued at \$47,465,000 (included in total).¹⁰ Unrounded ounces, 285.¹¹ Southern Rhodesia coins also circulate in Northern Rhodesia and Nyasaland.¹² Gold holdings included under "Other countries."¹³ Includes cupro-nickel coins which were first minted during the latter part of 1946, and first issued on Jan. 2, 1947.¹⁴ Includes gold holdings of commercial banks.¹⁵ Includes gold holdings (partly estimated) for Argentina, Bulgaria, Czechoslovakia, Poland, Tangier, Rumania, United Kingdom, Yugoslavia, and gold not yet delivered by the Tripartite Commission for Restitution of Monetary Gold.¹⁶ No estimates included for countries not specified.

Coinage of nations during the year ended Dec. 31, 1949

[So far as reported to the Director of the United States Mint]

(See also tables "Characteristics of coins in circulation" for further description)

Country	Denomination	Number of pieces coined	Nominal value in monetary unit of issuing country	Composition
United States	Half dollar.....	18,814,612	6,757,806.00 dollars.....	900 silver, 100 copper.
	Quarter dollar.....	19,380,400	4,845,100.00 dollars.....	Do.
	Dime.....	70,484,000	7,048,400.00 dollars.....	Do.
	5 cents.....	106,866,000	5,343,300.00 dollars.....	75 copper, 25 nickel.
	1 cent.....	435,197,500	4,351,975.00 dollars.....	95 copper, 5 zinc and tin.
	Total.....	645,442,512	28,346,081.00 dollars.....	
Algeria	50 francs.....	1,329,500	66,475,000.00 francs.....	Cupro-nickel.
	20 francs.....	17,731,200	354,624,000.00 francs.....	Do.
	Total.....	19,060,700	421,099,000.00 francs.....	
Austria	1 shilling.....	3,869,000	3,869,000.00 schillings.....	98.5 aluminum, 1.5 manganese.
	50 groschen.....	3,813,000	1,006,500.00 schillings.....	Do.
	10 groschen.....	58,181,000	5,818,100.00 schillings.....	Zinc.
	5 groschen.....	6,719,000	335,950.00 schillings.....	Do.
	1 groschen.....	7,712,000	77,120.00 schillings.....	Do.
	Maria-Theresa Taler.....	3,296	(Trade coin)	Silver, 833½ fine.
	Total.....	80,317,206	12,026,670.00 schillings.....	(excluding trade coins).
Belgium	100 francs.....	2,377,000	237,700,000.00 francs.....	835 silver, 165 copper.
	50 francs.....	2,594,000	144,700,000.00 francs.....	Do.
	20 francs.....	10,145,000	202,900,000.00 francs.....	Do.
	5 francs.....	67,562,000	337,760,000.00 francs.....	75 copper, 25 nickel.
	Total.....	82,966,000	923,060,000.00 francs.....	
Bolivia	50 centavos.....	677,275	338,637.50 bolivianos.....	95 copper, 5 zinc.
Brazil	2 cruzeiros.....	5,626,000	11,252,000.00 cruzeiros.....	90 copper, 8 aluminum, 2 zinc.
	1 cruzeiro.....	7,889,000	7,889,000.00 cruzeiros.....	Do.
	50 centavos.....	5,696,000	2,848,000.00 cruzeiros.....	Do.
	20 centavos.....	124,025,000	24,805,000.00 cruzeiros.....	Do.
	10 centavos.....	217,630,000	21,763,000.00 cruzeiros.....	Do.
	Total.....	360,866,000	68,557,000.00 cruzeiros.....	
British East Africa	1 shilling.....	38,318,396	38,318,396.00 shillings.....	75 copper, 25 nickel.
	50 cents.....	12,963,750	6,481,875.00 shillings.....	Do.
	10 cents.....	4,000,000	400,000.00 shillings.....	95.5 copper, 3 tin, 1.5 zinc.
	1 cent.....	4,000,000	40,000.00 shillings.....	Do.
	Total.....	59,282,146	45,240,271.00 shillings.....	
British Honduras	5 cents.....	40,000	2,000.00 B. H. dollars.....	79 copper, 20 zinc, 1 nickel.
	1 cent.....	100,000	1,000.00 B. H. dollars.....	95.5 copper, 3 tin, 1.5 zinc.
	Total.....	140,000	3,000.00 B. H. dollars.....	
British West Africa	1 shilling.....	70,000,000	3,500,000-0-0 pounds.....	79 copper, 20 zinc, 1 nickel.
Burma	½ rupee.....	2,777,521	1,388,760.00 rupees.....	Nickel.
	¼ rupee.....	5,024,456	1,256,114.00 rupees.....	Do.
	2 annas.....	2,400,000	300,000.00 rupees.....	75 copper, 25 nickel.
	1 anna.....	7,050,000	440,625.00 rupees.....	Do.
	Total.....	17,251,977	3,385,499.00 rupees.....	
Canada	1 dollar.....	631,500	631,500.00 dollars.....	800 silver, 200 copper.
	50 cents.....	858,991	429,495.50 dollars.....	Do.
	25 cents.....	7,988,830	1,997,207.50 dollars.....	Do.
	10 cents.....	11,335,652	1,133,565.20 dollars.....	Do.
	5 cents.....	13,037,090	651,854.50 dollars.....	Pure nickel.
	1 cent.....	33,128,933	331,289.33 dollars.....	98 copper, 1.5 zinc, 0.5 tin.
	Total.....	66,980,996	5,174,912.03 dollars.....	

Coinage of nations during the year ended Dec. 31, 1949—Continued

[So far as reported to the Director of the United States Mint]
 [See also tables "Characteristics of coins in circulation" for further description]

Country	Denomination	Number of pieces coined	Nominal value in monetary unit of issuing country		Composition
Cape Verde.....	1 escudo.....	500,000	500,000.00	escudos.....	61 copper, 20 zinc, 19 nickel. Do.
	50 centavos.....	1,000,000	500,000.00	escudos.....	
	Total.....	1,500,000	1,000,000.00	escudos.....	
Chile.....	1 peso.....	7,100,000	7,100,000.00	pesos.....	95.5 copper, 3 tin, 1.5 zinc. Do.
	20 centavos.....	14,700,000	2,940,000.00	pesos.....	
	Total.....	21,800,000	10,040,000.00	pesos.....	
China.....	1 dollar.....	43,231,697	43,231,697.00	C. dollars.....	880 silver, 120 copper.
Colombia.....	20 centavos.....	402,500	80,500.00	pesos.....	500 silver, 400 copper, 50 zinc, 50 nickel. Do.
	10 centavos.....	5,922,500	592,250.00	pesos.....	75 copper, 25 nickel.
	5 centavos.....	2,750,000	137,500.00	pesos.....	95 copper, 5 nickel. Do.
	2 centavos.....	1,277,500	25,550.00	pesos.....	
	1 centavos.....	4,225,000	42,250.00	pesos.....	
Total.....		14,577,500	878,050.00	pesos.....	
Costa Rica.....	1 colon.....	1,050,000	1,050,000.00	centimos.....	75 copper, 25 nickel. Do.
	50 centimos.....	3,600,000	1,800,000.00	centimos.....	95 copper, 4 zinc, 1 tin. Do.
	25 centimos.....	8,800,000	2,200,000.00	centimos.....	
	10 centimos.....	200,000	20,000.00	centimos.....	
Total.....		13,740,000	5,079,000.00	centimos.....	
Cuba.....	20 centavos.....	13,170,000	2,634,000.00	pesos.....	900 silver, 100 copper. Do.
	10 centavos.....	9,880,000	988,000.00	pesos.....	
Total.....		23,050,000	3,622,000.00	pesos.....	
Cyprus.....	2 shillings.....	720,000	72,000-0-0	pounds.....	75 copper, 25 nickel. Do.
	1 shilling.....	1,440,000	72,000-0-0	pounds.....	95.5 copper, 3 tin, 1.5 zinc. Do.
	1 piastre.....	1,080,000	6,000-0-0	pounds.....	
	½ piastre.....	1,080,000	3,000-0-0	pounds.....	
Total.....		4,320,000	153,000-0-0	pounds.....	
Denmark.....	2 kroner.....	493,501	987,002.00	kroner.....	92 copper, 6 aluminum, 42 nickel. Do.
	1 krone.....	1,285,103	1,285,103.00	kroner.....	75 copper, 25 nickel. Do.
	25 øre.....	8,296,538	2,074,134.50	kroner.....	Zinc.
	10 øre.....	6,867,649	686,764.90	kroner.....	Do.
	2 øre.....	1,350,758	27,015.16	kroner.....	
	1 øre.....	1,271,268	12,712.68	kroner.....	
Total.....		19,564,817	5,072,732.24	kroner.....	
Dominican Republic.....	1 cent.....	3,000,000	30,000.00	R. D. dollars.....	95 copper, 5 zinc, and tin.
Ethiopia.....	10 cents.....	16,000,000	1,600,000.00	E. dollars.....	95 copper, 5 zinc. Do.
	5 cents.....	16,000,000	800,000.00	E. dollars.....	
Total.....		32,000,000	2,400,000.00	E. dollars.....	
Fiji.....	Penny.....	120,000	500-0-0	pounds.....	75 copper, 25 nickel. Do.
	Halfpenny.....	96,000	200-0-0	pounds.....	
Total.....		216,000	700-0-0	pounds.....	
Finland.....	5 markkaa.....	11,014,000	55,070,000.00	markkaa.....	72 copper, 26 zinc, 2 aluminum. Iron.
	1 markka.....	17,358,000	17,358,000.00	markkaa.....	
Total.....		28,372,000	72,428,000.00	markkaa.....	

Coinage of nations during the year ended Dec. 31, 1949—Continued

[So far as reported to the Director of the United States Mint]

[See also tables "Characteristics of coins in circulation" for further description]

Country	Denomination	Number of pieces coined	Nominal value in monetary unit of issuing country	Composition
France	10 francs.....	141,314,500	1,413,145,000.00 francs.....	75 copper, 25 nickel.
	5 francs.....	251,665,600	1,258,328,000.00 francs.....	Aluminum.
	2 francs.....	37,638,500	75,277,000.00 francs.....	Do.
	1 franc.....	76,930,000	76,930,000.00 francs.....	Do.
Total.....		507,548,600	2,823,680,000.00 francs.....	
French Cameroun.	2 francs.....	5,000,000	10,000,000.00 francs.....	Do.
	1 franc.....	8,000,000	8,000,000.00 francs.....	Do.
Total.....		13,000,000	18,000,000.00 francs.....	
French Equatorial Africa.	2 francs.....	5,040,000	10,080,000.00 francs.....	Do.
	1 franc.....	12,706,000	12,706,000.00 francs.....	Do.
Total.....		17,746,000	22,786,000.00 francs.....	
Germany	10 pfennig.....	359,409,112	35,940,911.20 deutsche-mark.	Iron kernel with tombak plating on both sides.
	5 pfennig.....	148,120,000	7,406,000.00 deutsche-mark.	Do.
	1 pfennig.....	402,997,362	4,029,973.62 deutsche-mark.	Iron kernel with copper plating on both sides.
Total.....		910,526,474	47,376,884.82 deutsche-mark.	
Greenland	1 krone.....	34,982	34,982.00 kroner.....	92 copper, 6 aluminum, 2 nickel.
	50 ører.....	26,837	13,418.50 kroner.....	Do.
	25 ører.....	45,365	11,341.25 kroner.....	75 copper, 25 nickel.
Total.....		107,184	59,741.75 kroner.....	
Guatemala	25 centavos.....	25,020	6,255.00 quetzales.....	720 silver, 280 copper.
	10 centavos.....	425,381	42,538.10 quetzales.....	Do.
	5 centavos.....	855,911	42,795.55 quetzales.....	Do.
	1 centavo.....	2,113,047	21,130.47 quetzales.....	70 copper, 30 zinc.
Total.....		3,419,359	112,719.12 quetzales.....	
Haiti	10 centimes.....	5,000,000	500,000.00 francs.....	75 copper, 25 nickel.
	5 centimes.....	10,000,000	500,000.00 francs.....	Do.
Total.....		15,000,000	1,000,000.00 francs.....	
Honduras	5 centavos.....	2,000,000	100,000.00 lempiras.....	Do.
	2 centavos.....	3,000,000	60,000.00 lempiras.....	95 copper, 5 zinc and tin.
	1 centavo.....	4,000,000	40,000.00 lempiras.....	Do.
Total.....		9,000,000	200,000.00 lempiras.....	
Hong Kong	10 cents.....	33,250,000	3,325,000.00 H. K. dollars.	79 copper, 20 zinc, 1 nickel.
	5 cents.....	14,600,000	730,000.00 H. K. dollars.	Do.
Total.....		47,850,000	4,055,000.00 H. K. dollars.	
India ¹	1 rupee.....	36,156,000	36,156,000-0-0 rupees.....	Pure nickel.
	½ rupee.....	24,220,000	12,110,000-0-0 rupees.....	Do.
	¼ rupee.....	30,600,000	7,650,000-0-0 rupees.....	Do.
	2 annas.....	29,664,000	3,708,000-0-0 rupees.....	75 copper, 25 nickel.
	1 anna.....	42,352,000	2,647,000-0-0 rupees.....	Do.
	½ anna.....	49,312,000	1,541,000-0-0 rupees.....	Do.
	Single pice.....	92,224,000	1,441,000-0-0 rupees.....	97 copper, 2.5 zinc, 0.5 tin.
Total ¹		304,528,000	65,253,000-0-0 rupees.....	

See footnote at end of table.

Coinage of nations during the year ended Dec. 31, 1949—Continued

[So far as reported to the Director of the United States Mint]

[See also tables "Characteristics of coins in circulation" for further description]

Country	Denomination	Number of pieces coined	Nominal value in monetary unit of issuing country	Composition
Iran (year ending Mar. 21, 1949).	1 pahlavi ²	20,000	2,671,309.00 rials.....	900 gold, 100 silver or copper.
	½ pahlavi ²	36,000	9,616,714.00 rials.....	Do.
	5 rials.....	836,000	4,180,000.00 rials.....	600 silver, 400 copper.
	2 rials.....	3,140,000	6,280,000.00 rials.....	Do.
	1 rial.....	5,795,000	5,795,000.00 rials.....	Do.
	Total.....	9,827,000	28,543,023.00 rials.....	Do.
Ireland.....	Sixpence.....	600,000	15,000-0-0 pounds.....	75 copper, 25 nickel.
	Threepence.....	1,200,000	15,000-0-0 pounds.....	Do.
	Penny.....	4,080,000	17,000-0-0 pounds.....	95.5 copper, 3 tin, 1.5 zinc.
	Halfpenny.....	1,344,000	2,800-0-0 pounds.....	Do.
	Farthing.....	192,000	200-0-0 pounds.....	Do.
	Total.....	7,416,000	50,000-0-0 pounds.....	Do.
Japan.....	5 yen.....	279,940,000	1,399,700,000.00 yen.....	60-70 copper, 40-30 zinc.
	1 yen.....	263,903,000	263,903,000.00 yen.....	Do.
	Total.....	543,843,000	1,663,603,000.00 yen.....	Do.
Jersey.....	Penny.....	240,000	1,000-0-0 pounds.....	95.5 copper, 3 tin, 1.5 zinc.
	Total.....			
Luxembourg.....	5 francs.....	2,000,000	10,000,000.00 francs.....	75 copper, 25 nickel.
Madagascar.....	2 francs.....	172,500	345,000.00 francs.....	Aluminum.
	1 franc.....	6,539,000	6,539,000.00 francs.....	Do.
Total.....		6,711,500	6,884,000.00 francs.....	
Malaya.....	20 cents.....	5,333,262	1,066,652.00 M. dollars.....	75 copper, 25 nickel.
	10 cents.....	20,177,849	2,017,785.00 M. dollars.....	Do.
	5 cents.....	8,264,471	413,223.00 M. dollars.....	Do.
Total.....		33,775,582	3,497,660.00 M. dollars.....	
Mauritius.....	2 cents.....	250,000	5,000.00 rupees.....	95.5 copper, 3 tin, 1.5 zinc.
	1 cent.....	500,000	5,000.00 rupees.....	Do.
Total.....		750,000	10,000.00 rupees.....	
Mexico.....	1 peso.....	2,000,000	2,000,000.00 pesos.....	90.2 silver, 97.3 copper.
	1 peso.....	4,000,000	4,000,000.00 pesos.....	500 silver, 400 copper, 60 nickel, 40 zinc.
	1 centavo.....	62,350	623.50 pesos.....	95 copper, 4 zinc, 1 tin.
Total.....		6,062,350	6,000,623.50 pesos.....	
Muscat.....	½ thaler.....	100,000	(Trade coin)	833½ silver, 166½ copper.
Netherlands.....	25 cents.....	27,400,000	6,850,000.00 florin.....	Pure nickel.
	10 cents.....	69,200,000	6,920,000.00 florin.....	Do.
	5 cents.....	22,000,000	1,100,000.00 florin.....	95 copper, 4 tin, 1 zinc.
	1 cent.....	93,000,000	930,000.00 florin.....	Do.
Total.....		211,600,000	15,800,000.00 florin.....	
New Zealand.....	Half crown.....	2,800,000	350,000-0-0 pounds.....	75 copper, 25 nickel.
	Florin.....	3,500,000	350,000-0-0 pounds.....	Do.
	Penny.....	2,016,000	8,400-0-0 pounds.....	95 copper, 3 tin, 1.5 zinc.
	Halfpenny.....	1,766,400	3,680-0-0 pounds.....	Do.
Total.....		10,082,400	712,080-0-0 pounds.....	

See footnote at end of table.

Coinage of nations during the year ended Dec. 31, 1949—Continued

[So far as reported to the Director of the United States Mint]

[See also tables "Characteristics of coins in circulation" for further description]

Country	Denomination	Number of pieces coined	Nominal value in monetary unit of issuing country	Composition
Norway-----	1 krone.....	6,940,000	6,940,000.00 kronor.....	75 copper, 25 nickel.
	50 øre.....	1,580,000	790,000.00 kronor.....	Do.
	25 øre.....	2,600,000	650,000.00 kronor.....	Do.
	10 øre.....	9,450,000	945,000.00 kronor.....	Do.
	2 øre.....	1,455,000	29,100.00 kronor.....	95 copper, 4 tin, 1 zinc.
	1 øre.....	3,480,000	34,800.00 kronor.....	Do.
Total.....		25,505,000	9,388,900.00 kronor.....	
Pakistan ¹ -----	1 rupee.....	36,000,000	36,000,000-0 rupees.....	Pure nickel.
	½ rupee.....	20,300,000	10,150,000-0 rupees.....	Do.
	¼ rupee.....	46,000,000	11,500,000-0 rupees.....	Do.
	2 annas.....	19,716,000	2,464,000-0 rupees.....	75 copper, 25 nickel.
	1 anna.....	11,136,000	696,000-0 rupees.....	Do.
	½ anna.....	5,158,715	161,209-13-6 rupees.....	Do.
	Single pice.....	14,553,696	227,401-8-0 rupees.....	97 copper, 2.5 zinc, 0.5 tin.
Total.....		152,864,411	61,198,611-5-6 rupees.....	
Peru ² -----	1 sol.....	751,252	751,252.00 soles.....	70 copper, 30 zinc.
	½ sol.....	419,669	209,834.50 soles.....	Do.
	20 centavos.....	2,709,066	541,813.20 soles.....	Do.
	10 centavos.....	4,730,110	473,011.00 soles.....	Do.
	5 centavos.....	5,550,307	277,515.35 soles.....	Do.
	2 centavos.....	937,625	18,752.50 soles.....	95 copper, 5 zinc.
	1 centavo.....	1,104,123	11,041.23 soles.....	Do.
Total.....		16,202,152	2,283,219.78 soles.....	
Portugal-----	10 escudos.....	1,452	14,520.00 escudos.....	835 silver, 165 copper.
	5 escudos.....	2,164	10,820.00 escudos.....	650 silver, 350 copper.
	20 centavos.....	10,760,000	2,152,000.00 escudos.....	95 copper, 3 zinc, 2 tin.
	10 centavos.....	15,240,000	1,524,000.00 escudos.....	Do.
Total.....		26,003,616	3,701,340.00 escudos.....	
Portuguese East Africa (Mozambique)-----	5 escudos.....	2,000,000	10,000,000.00 escudos.....	650 silver, 350 copper.
	20 centavos.....	4,400,000	880,000.00 escudos.....	95 copper, 3 zinc, 2 tin.
Total.....		6,400,000	10,880,000.00 escudos.....	
Portuguese West Africa (Angola)-----	50 centavos.....	156,000	78,000.00 angolares.....	61 copper, 20 zinc, 19 nickel.
	20 centavos.....	2,150,000	430,000.00 angolares.....	95 copper, 3 zinc, 2 tin.
	10 centavos.....	10,000,000	1,000,000.00 angolares.....	Do.
Total.....		12,306,000	1,508,000.00 angolares.....	
Reunion-----	2 francs.....	2,000,000	4,000,000.00 francs.....	Aluminum.
	1 franc.....	2,285,000	2,285,000.00 francs.....	Do.
Total.....		4,285,000	6,285,000.00 francs.....	
Saudi Arabia-----	1 riyal.....	60,000,000	60,000,000.00 riyals.....	91 6/8 silver, 83 1/8 copper.
Somalis-----	5 francs.....	500,000	2,500,000.00 francs.....	Aluminum.
	2 francs.....	200,000	400,000.00 francs.....	Do.
	1 franc.....	200,000	200,000.00 francs.....	Do.
Total.....		900,000	3,100,000.00 francs.....	

See footnotes at end of table.

Coinage of nations during the year ended Dec. 31, 1949—Continued

[So far as reported to the Director of the United States Mint]

[See also tables "Characteristics of coins in circulation" for further description]

Country	Denomination	Number of pieces coined	Nominal value in monetary unit of issuing country	Composition
Southern Rhodesia. ⁴	Half crown-----	1,600,000	200,000-0-0 pounds-----	75 copper, 25 nickel.
	Florin-----	2,000,000	200,000-0-0 pounds-----	Do.
	Shilling-----	4,000,000	200,000-0-0 pounds-----	Do.
	Sixpence-----	2,000,000	50,000-0-0 pounds-----	Do.
	Threepence-----	4,000,000	50,000-0-0 pounds-----	Do.
	Penny-----	1,440,000	6,000-0-0 pounds-----	95.5 copper, 3 tin, 1.5 zinc.
	Total-----	15,040,000	706,000-0-0 pounds-----	
	Spain-----	5 pesetas-----	612,000 3,060,000.00 pesetas-----	Pure nickel.
		1 peseta-----	27,600,000 27,600,000.00 pesetas-----	90 copper, 10 aluminum.
	Total-----	28,212,000	30,660,000.00 pesetas-----	
Sweden-----	2 kronor-----	331,715	663,430.00 kronor-----	400 silver, 500 copper, 50 nickel, 50 zinc.
	1 krona-----	7,981,162	7,981,162.00 kronor-----	Do.
	50 ore-----	1,883,100	941,550.00 kronor-----	Do.
	25 ore-----	5,303,140	1,325,785.00 kronor-----	Do.
	10 ore-----	12,044,000	1,204,400.00 kronor-----	Do.
	5 ore-----	7,644,040	382,202.00 kronor-----	Iron.
	2 ore-----	10,302,500	206,050.00 kronor-----	Do.
	1 ore-----	11,778,900	117,789.00 kronor-----	Do.
	Total-----	57,268,557	12,822,368.00 kronor-----	
	Switzerland-----	20 francs ⁵ -----	10,000,000 200,000,000.00 francs-----	900 silver, 100 copper.
		5 francs-----	406,665 2,033,325.00 francs-----	835 silver, 165 copper.
		10 centimes-----	2,268,900 226,890.00 francs-----	75 copper, 25 nickel.
		5 centimes-----	5,298,700 264,935.00 francs-----	Do.
		1 centime-----	10,200,000 102,000.00 francs-----	95 copper, 4 tin, 1 zinc.
	Total-----	28,174,265	202,627,150.00 francs-----	
Thailand (Siam)-----	25 satang-----	7,472,000	1,868,000.00 baht-----	90 tin, 10 copper.
	10 satang-----	6,520,000	652,000.00 baht-----	Do.
	5 satang-----	60,000	3,000.00 baht-----	Do.
Total-----		14,052,000	2,523,000.00 baht-----	
Tunisia-----	Pieces of gold-----	33		Pieces do not indicate value.
	Pieces of silver-----	53		
	Pieces of silver-----	1,103		
Turkey-----	50 kurus-----	1,792,000	896,000.00 T. pounds-----	600 silver, 400 copper.
	25 kurus-----	21,600,000	5,400,000.00 T. pounds-----	70 copper, 30 zinc.
	10 kurus-----	27,000,000	2,700,000.00 T. pounds-----	Do.
	5 kurus-----	4,500,000	225,000.00 T. pounds-----	Do.
	2½ kurus-----	15,720,000	393,000.00 T. pounds-----	Do.
	1 kuru-----	29,530,000	295,300.00 T. pounds-----	Do.
	Total-----	100,142,000	9,909,300.00 T. pounds-----	
Union of South Africa-----	Crown-----	537,841	134,460- 5-0 pounds-----	800 silver, 200 copper.
	Half crown-----	2,711	338-17-6 pounds-----	Do.
	Florin-----	203,953	20,395- 6-0 pounds-----	Do.
	1 shilling-----	800	40- 0-0 pounds-----	Do.
	Sixpence-----	197,108	4,927-14-0 pounds-----	Do.
	Threepence-----	1,904,995	23,812- 8-9 pounds-----	Do.
	Penny-----	3,633,591	15,139-19-3 pounds-----	Do.
	Halfpenny-----	1,850,001	3,854- 2-6½ pounds-----	95 copper, 4.5 zinc, 0.5 tin.
	Farthing-----	3,567,627	3,716- 5-6¾ pounds-----	Do.
	Total-----	11,898,627	206,684-18-7¾ pounds-----	Do.

See footnotes at end of table.

Coinage of nations during the year ended Dec. 31, 1949—Continued

[So far as reported to the Director of the United States Mint]

[See also tables "Characteristics of coins in circulation" for further description]

Country	Denomination	Number of pieces coined	Nominal value in monetary unit of issuing country	Composition
United Kingdom	Sovereign.....	138,000	138,000-0-0 pounds.....	916½ gold, 83½ copper.
	Half-crown.....	28,272,512	3,534,064-0-0 pounds.....	75 copper, 25 nickel.
	Florin.....	28,614,039	2,861,494-0-0 pounds.....	Do.
	Shilling.....	40,571,479	2,028,573-0-0 pounds.....	Do.
	Sirpence.....	41,355,515	1,033,888-0-0 pounds.....	Do.
	Threepence.....	464,000	5,800-0-0 pounds.....	79 copper, 20 zinc, 1 nickel.
	Penny.....	14,324,400	50,685-0-0 pounds.....	95.5 copper, 3 tin, 1.5 zinc.
	Halfpenny.....	24,744,000	51,550-0-0 pounds.....	Do.
	Farthing.....	8,424,000	8,775-0-0 pounds.....	Do.
	<i>Maundy money</i> *			
	Fourpence.....	1,503	25-0-0 pounds.....	925 silver, 75 copper.
	Threepence.....	1,395	17-0-0 pounds.....	Do.
	Twopence.....	1,395	12-0-0 pounds.....	Do.
	Penny.....	1,407	6-0-0 pounds.....	Do.
Total.....		186,914,545	9,721,889-0-0 pounds.....	
Uruguay	5 centesimos.....	2,040,000	102,000.00 pesos.....	95.5 copper, 3 tin, 1.5 zinc.
	2 centesimos.....	5,150,000	102,000.00 pesos.....	Do.
	Total.....	7,190,000	205,000.00 pesos.....	
Vatican City ?	100 Vatican lire.....	1,000	100,000.00 Vatican lire.....	Gold, 900 fineness.
	10 Vatican lire.....	60,000	600,000.00 Vatican lire.....	Aluminum, magnesium, manganese.
	5 Vatican lire.....	74,000	370,000.00 Vatican lire.....	Do.
	2 Vatican lire.....	10,000	20,000.00 Vatican lire.....	Do.
	1 Vatican lire.....	10,000	10,000.00 Vatican lire.....	Do.
	Total.....	155,000	1,100,000.00 Vatican lire.....	
Venezuela	14 bolivar.....	8,637,944	2,159,486.00 bolivares.....	835 silver, 165 copper.
	12½ centimos.....	6,000,000	750,000.00 bolivares.....	75 copper, 25 nickel.
	5 centimos.....	18,000,000	900,000.00 bolivares.....	Do.
Total.....		32,637,944	3,809,486.00 bolivares.....	

¹ The Indian and Pakistan rupee is divided into 16 annas, the anna into 4 pice, and the pice into 2 pice.

² The official value of the pahlavi of Iran equals 267.1 rials in 1949.

³ The 1-sol and ½-sol denominations of Peru are issued by the Central Reserve Bank; all other denominations are issued by the state.

⁴ Southern Rhodesian coins also circulate in Northern Rhodesia and Nyasaland.

⁵ The Swiss 20-franc piece does not circulate.

⁶ Maundy money does not circulate.

⁷ The 100 Vatican lire pieces are not minted for circulation.

Mints of the world in operation during the year ended Dec. 31, 1949

[So far as reported to the Director of the United States Mint]

Country	Name of mint	Location
United States.....	Philadelphia Mint.....	Philadelphia, Pennsylvania.
Do.....	San Francisco Mint.....	San Francisco, California.
Do.....	Denver Mint.....	Denver, Colorado.
Argentina.....	Casa de Moneda.....	Buenos Aires.
Australia.....	Royal Mint, Melbourne Branch.....	Melbourne, Victoria.
Do.....	Royal Mint, Perth Branch.....	Perth, Western Australia.
Austria.....	Oesterreichisches Hauptmünzamt.....	Vienna.
Belgium.....	Administration des Monnaies.....	Bruxelles.
Bolivia.....	Casa de Moneda de Potosi.....	Potosi.
Brazil.....	Casa de Moeda, Praca Republica.....	Rio de Janeiro.
Canada.....	Royal Canadian Mint.....	Ottawa, Ontario.
Chile.....	Casa de Moneda y Especies Valoradas.....	Santiago.
Colombia.....	Casa de Moneda.....	Bogota.
Do.....	do.....	Medellin.
Costa Rica.....	Cuno Nacional.....	San Jose.
Czechoslovakia.....	State Mint.....	Kremnica, Slovakia.
Denmark.....	Dem Kongeuge Mønt.....	Kobenhavn.
Finland.....	Rahapaja Mynverket.....	Helsinki.
France.....	Paris Mint.....	Paris.
Do.....	Beaumont-le Roger Mint.....	(Not stated).
Germany.....	Bayerisches Hauptmünzamt.....	Munchen.
Do.....	Wurttembergisches Münzamt.....	Stuttgart.
Do.....	Badische Münzerwaltung.....	Karlsruhe.
Guatemala.....	Hamburgische Münze.....	Hamburg-Altona.
Hungary.....	Casa Nacional de Moneda.....	Guatemala City.
India.....	Hungarian State Mint.....	Budapest.
Do.....	Indian Government Mint.....	Bombay.
Do.....	do.....	47 Strand Road, Calcutta.
Iran.....	Tehran Mint.....	Alipore, Calcutta. Under construction.
Italy.....	Zecca.....	Tehran.
Japan.....	Mint Bureau, Finance Ministry, Japanese Government.	Rome.
Do.....	Hiroshima Branch.....	Osaka.
Do.....	Tokyo Branch.....	Hiroshima Prefecture.
Do.....	Kumamoto Sub-branch.....	Tokyo.
Mexico.....	Casa de Moneda de Mexico.....	Kumamoto.
Netherlands.....	's Rijks Munt.....	Mexico, D. F.
Norway.....	Den kongelige norske mynt.....	Utrecht.
Pakistan.....	Pakistan Government Mint.....	Kongsberg.
Peru.....	Casa Nacional de Moneda.....	Baghbanpura, Lahore. Transferred from Indian Government in August 1947.
Portugal.....	Casa da Moeda.....	Lima.
Rumania.....	Bucharest Mint.....	Lisbon.
Spain.....	Fabrica Nacional de Moneda y Timbre.....	Bucharest.
Sweden.....	Kungl. Mynt-och justeringsverket.....	Madrid.
Switzerland.....	Swiss Federal Mint.....	Stockholm.
Thailand (Siam).....	Royal Mint.....	Bern.
Turkey.....	Directorate of Mint and Stamp Printing House. (Darphane ve Damga Matbaasi).	No. 4, Chow Fah Road, Bangkok.
Union of South Africa.....	South African Mint (since June 30, 1941).	Istanbul.
United Kingdom.....	Royal Mint.....	Pretoria.
Do.....	The Mint, Birmingham, Ltd. (private)	London.
		Birmingham.

Coins withdrawn from active circulation in various countries of the world during the year ended Dec. 31, 1949

[So far as reported to the Director of the United States Mint]

Country	Silver coin	Approximate number of fine ounces of silver contained
	Nominal value	
United States ¹	2,610,858 U.S. dollars	1,773,782
Australia	(²)	(²)
British Malaya	565,502 Malayan dollars	493,011
Canada	103,732 Canadian dollars	66,246
Colombia	369,716 Colombian pesos	277,837
Iraq	37,605 Iraq dinars	108,813
Japan	83,750 Japanese yen	22,513
Mexico	6,106,898 Mexican pesos	1,380,496
Netherlands	5,729 Netherlands florin	1,424
Pakistan	18,775 Pakistan rupees	586
Southern Rhodesia	98,633 Southern Rhodesian pounds	(³)
Sweden	9,619 Swedish krona	1,534
Switzerland	154,000 Swiss francs	2,392
Turkey	5,219,018 Turkish pounds	1,671,241
Union of South Africa	416 South African pounds	1,208
United Kingdom ⁴	9,777,214 pounds sterling	17,628,350
Total reported.		23,429,433

¹ In addition, U. S. gold coins with a face value of US\$111,118.50 were melted during the year, with a recovery of 5,361 fine ounces of gold.

² Data for 1949 not available. For 1948, received after last year's publication, there were withdrawn Australian silver coins with a face value of 1,156,789 pounds and an estimated silver content of 3,830,000 fine ounces.

³ Data not available.

⁴ Data for 1948, received after last year's publication, included British silver coins withdrawn with a face value of 571,130 pounds sterling and a silver content of 1,040,313 fine ounces.

Gold and silver in the form of old plate, jewelry, and other old material returned from use in the industrial arts by being deposited with the monetary authority in various countries of the world during the year ended Dec. 31, 1949

[So far as reported to the Director of the United States Mint]

Country	Gold	Silver
	Fine ounces	Fine ounces
United States	149,367	276,460
Canada	16,412	2,651
Colombia	27	-----
Italy	12	-----
Mexico	32	8,958
Union of South Africa	-----	-----

Estimated quantity of gold and silver issued for use or used in the industrial arts in various countries of the world during the year ended Dec. 31, 1949

[So far as reported to the Director of the United States Mint]

Country	Gold	Silver	Country	Gold	Silver
	Fine ounces	Fine ounces		Fine ounces	Fine ounces
United States.....	3,109,785	88,000,000	Mexico.....	17,749	1,213,665
Algeria.....	30,209	386,934	Netherlands Guiana (Surinam).....	463	711
Australia.....	(¹)	(¹)	New Zealand.....	10,614	(¹)
Austria.....	18,786	199,383	Nicaragua.....	2,800	1,023
Belgium.....	22,506	1,929,045	Norway.....	5,800	-
Brazil.....	96,500	2,646,873	Panama (Republic of) ¹⁰	8,208	2
British East Africa.....	3,255	(¹)	Paraguay.....	1,286	8,038
British Guiana.....	4,445	-	Peru.....	38,581	1,620,365
Canada.....	175,000	6,500,000	Portugal.....	135,717	1,008,367
Colombia.....	59,400	200,000	Southern Rhodesia.....	{ 1,000 to 1,500	{ 200 to 200
Cuba.....	41,903	23,767	Spain.....	3,537	517,988
Ecuador.....	45	9,100	Sweden.....	76,840	-
El Salvador.....	7,827	943	Syria.....	(¹)	23,352
France.....	{ 225,000 to	6,430,000 to	Tunisia.....	17,727	733,228
Germany.....	257,000	8,037,000	Turkey.....	625,428	-
Guatemala.....	15,242	6,012,618	Union of South Africa.....	21,628	333,587
Honduras ⁵	700	20,000	United Kingdom ¹¹	556,850	11,573,000
Hong Kong.....	1,250	12,000	Venezuela.....	91,442	-
Israel.....	(⁶)	(⁶)	Total reported.....	{ 6,291,089 { 6,323,580	{ 130,692,531 { 132,299,581
Italy.....	225,055	1,607,537			
Japan ⁷	43,781	1,607,409			
Lebanon.....	64,301	(¹)			
Luxembourg.....	415	-			
Madagascar.....	10	-			

¹ Data for 1949 not available. For 1948, received after last year's publication—gold, 66,208 fine ounces; and silver, 1,413,111 fine ounces.

² Production plus imports.

³ Amount licensed for import.

⁴ Data not available.

⁵ Corrected data for the calendar year 1947—gold, 1,485 fine ounces, and silver, 27,585 fine ounces.

⁶ Data for 1949 not available. For 1948, received after last year's publication—gold, 25,700 to 27,300 fine ounces; and silver, 51,500 fine ounces.

⁷ Amount authorized for industrial use by the Government.

⁸ Amount issued for dental use.

⁹ Amount sold to jewelers.

¹⁰ Imports during year.

¹¹ Data for 1948, received after last year's publication—gold, 894,980 fine ounces; and silver, 17,824,203 fine ounces.

NOTE.—Corrected data for the calendar year 1948—Belgium used approximately 500,000 to 600,000 fine ounces of silver in the industrial arts in 1948.

CHARACTERISTICS OF COINS IN CIRCULATION

NOTE.—Thickness of coins may represent actual measurements when not specified in coinage laws. Leaders indicate no available information.

UNITED STATES

[Coins in active circulation at end of December 1949]

Denomination	Gross weight	Composition (proportion of metals)	Diameter	Thickness
	<i>Grams</i>			
1 dollar.....	26.73	900 silver, 100 copper.....	38.100	2.8050
½ dollar.....	12.5	do.....	30.607	2.1844
¼ dollar.....	6.25	do.....	24.257	1.7018
½¢ dollar.....	2.5	do.....	17.907	1.3462
5 cents.....	5	75 copper, 25 nickel.....	21.200	1.9812
Do.....	5	56 copper, 38 silver, 9 manganese.....	21.200	1.9812
1 cent.....	3.110	95 copper, 5 zinc and tin.....	19.050	1.5748
Do.....	3.110	95 copper, 5 zinc.....	19.050	1.5748
Do.....	2.689	Zinc-coated steel.....	19.050	1.5748

U. S copper-silver-manganese 5-cent piece coined Oct. 1942-Dec. 1945, inclusive.

U. S copper-zinc 1-cent piece coined 1944-46, inclusive.

U. S zinc-coated steel 1-cent piece coined only during calendar year 1943.

AFGHANISTAN

[Coins in active circulation at end of December 1949]

25 puls.....	7	Cupro-nickel.....	25	-----
Do.....	3	do.....	20	1.2
20 puls.....	6	do.....	26	-----
10 puls.....	6	do.....	24	-----
Do.....	5	do.....	22	-----
Do.....	2.5	do.....	18	1.2
5 puls.....	3	Copper.....	22	-----
Do.....	3	do.....	20	-----
Do.....	3	do.....	17	1.8
3 puls.....	2.5	do.....	16	1.7
2 puls.....	2	do.....	15	1.6

ALGERIA

[Coins in active circulation at end of December 1949]

5 francs.....	12	91 copper, 9 aluminum; and pure aluminum.....	31	2.35
2 francs.....	8	70 copper, 30 zinc.....	27	2.10
Do.....	8	91 copper, 9 aluminum; and pure aluminum.....	27	1.90
1 franc.....	4	do.....	23	1.60
50 centimes.....	2	do.....	18	1.35

ANGLO-EGYPTIAN SUDAN

[Egyptian coins and British florins and shillings (George V only) circulate in the Sudan]

ARGENTINA

[Coins in active circulation at end of December 1948]*

20 centavos.....	4	92 copper, 8 aluminum.....	21	1.3
Do.....	4	75 copper, 25 nickel.....	21	1.3
10 centavos.....	3	92 copper, 8 aluminum.....	19	1.2
Do.....	3	75 copper, 25 nickel.....	19	1.2
5 centavos.....	2	92 copper, 8 aluminum.....	17	1
Do.....	2	75 copper, 25 nickel.....	17	1
2 centavos.....	3½	95 copper, 4 tin, 1 zinc.....	20	1.1
1 centavo.....	2	do.....	16	0.9

*Latest available data.

AUSTRALIA

[Coins in active circulation at end of December 1949]

Denomination	Gross weight	Composition (proportion of metals)	Diam-eter	Thick-ness
Crown.....	28.2765	925 silver, 75 copper.....	38.98	.3
Florin.....	11.31036	925 silver, 75 copper; and 500 silver, 400 copper, 50 nickel, 50 zinc.	28.98	2.14
Shilling.....	5.6553	do.....	23.93	1.83
Sixpence.....	2.8276	do.....	19.38	1.40
Threepence.....	1.4138	do.....	16.13	1.04
Penny.....	0.4501	95.5 copper, 3.0 tin, 1.5 zinc.....	30.81	2.03
Halfpenny.....	5.6700	do.....	25.48	1.62

Australian silver coins of 600 fineness first issued July 21, 1947; thicknesses vary slightly from coins of .925 fineness.

Australian coins legal tender in Papua, New Guinea, Norfolk Island, and Nauru.

British silver coins of 500 fineness legal tender in Australia; quantity in circulation negligible.

AUSTRIA

[Coins in active circulation at end of December 1949]

2 schilling.....	2.8	98.5 aluminum, 1.5 manganese.....	26	2.0
1 schilling.....	2.0	do.....	26	1.8
50 groschen.....	1.4	do.....	23	1.6
10 groschen.....	3.5	Zinc.....	21	1.8
5 groschen.....	2.5	do.....	19	1.5
1 groschen.....	1.8	do.....	17	1.3
5 reichspfennig.....	2.5	92 copper, 8 aluminum.....	18	1.5
Do.....	2.5	Zinc.....	19	1.5
1 reichspfennig.....	1.8	do.....	17	1.2

Austrian Finance Ministry authorized to coin a bronze-aluminum 20-groschen piece.

BASUTOLAND

[Coins of Union of South Africa circulate in Basutoland]

BECHUANALAND

[Coins of Union of South Africa and Southern Rhodesia circulate in Bechuanaland]

BELGIAN CONGO

[Coins in active circulation at end of December 1949]

50 francs.....	17.43	600 silver, 400 copper.....	35	2.25
5 francs.....	8	66½ copper, 33½ zinc.....	27	2.50
5 francs.....	13	Copper, aluminum, nickel, zinc.....	33	2.00
2 francs (hexagonal).....	6	66½ copper, 33½ zinc.....	24	1.50
2 francs.....	5	do.....	22	1.50
1 franc.....	2.5	do.....	19	1.25
Do.....	10	75 copper, 25 nickel.....	26	2.00
50 centimes.....	6.5	do.....	24	1.75
20 centimes.....	6	do.....	25	1.50
10 centimes.....	4	do.....	22	1.25
5 centimes.....	2.5	do.....	19	1.00

BELGIUM

[Coins in active circulation at end of December 1949]

Denomination	Gross weight	Composition (proportion of metals)	Diameter	Thickness
	<i>Grams</i>		<i>Millimeters</i>	<i>Millimeters</i>
100 francs.	18	835 silver, 165 copper.	33	
50 francs.	12	do.	30	
20 francs.	8	do.	27	
Do.	6.4516	900 gold, 100 copper.	21	
5 francs.	14	Pure nickel.	31	
Do.	12	do.	31	
Do.	9	do.	25	
Do.	6	Zinc du commerce.	25	
Do.	6	75 copper, 25 nickel.	24	
2 francs.	2.75	Iron.	19	
1 franc.	5	Pure nickel.	23	
Do.	4.5	do.	21.5	
Do.	4.25	Zinc du commerce.	21.5	
½ franc.	2.5	Pure nickel.	18	
25 centimes.	6.5	75 copper, 25 nickel.	26-4.5	
Do.	6.5	64 copper, 20 zinc, 16 nickel.	26-3.5	
Do.	6.5	Zinc du commerce.	26-3.5	
10 centimes.	4	75 copper, 25 nickel.	22-4	
Do.	4	Copper, zinc, 15/100 nickel minimum.	22-4	
Do.	4	64 copper, 20 zinc, 16 nickel.	22-3	
Do.	4	Zinc du commerce.	22-3	
5 centimes.	2.5	75 copper, 25 nickel.	19-3.5	
Do.	2.5	Copper, zinc, 15/100 nickel minimum.	19-3.5	
Do.	2.5	64 copper, 20 zinc, 16 nickel.	19-2.5	
2 centimes.	2.5	Zinc du commerce.	19-2.5	
1 centime.	2	Pure copper.	21	
		do.	16.5	

Belgian coins with two diameters are round with round hole in center.

BOLIVIA

[Coins in active circulation at end of December 1949]

50 centavos.	5.5	95 copper, 5 zinc.	24.0	3.0
20 centavos.	3.25	Zinc with impurities.	21.2	3.5
10 centavos.	1.75	do.	17.9	2.5
10 centavos.	2.5	75 copper, 25 nickel.	20	2.5
5 centavos.	5.0	do.	25	3.5

Minor number of Bolivian cupro-nickel coins in circulation.

BRAZIL

[Coins in active circulation at end of December 1949]

5 cruzeiros.	9	90 copper, 8 aluminum, 2 zinc.	27	
2 cruzeiros.	8	do.	25	2.4
1 cruzeiro.	7	do.	23	2.4
50 centavos.	5	do.	21	2.0
20 centavos.	4	do.	19	2.0
10 centavos.	3	do.	17	2.0

912795—51—7

BRITISH EAST AFRICA

[Coins in active circulation at end of December 1949]

Denomination	Gross weight	Composition (proportion of metals)	Diameter	Thickness
	Grams		Millimeters	Millimeters
1 shilling.....		250 silver, 700 copper, 50 manganese; and 75 copper, 25 nickel		
50 cents.....		Silver; and 75 copper, 25 nickel		
10 cents.....		95.5 copper, 3 tin, 1.5 zinc		
5 cents.....		do		
1 cent.....		do		

Silver coins in process of withdrawal in British East Africa.

BRITISH GUIANA

[Coins in active circulation at end of December 1949]

British Guiana fourpence ("bit").	1.88506	500 silver.....	16	1.5
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In addition, British coins circulate in British Guiana in the following denominations: Crown, half crown, florin, shilling, sixpence, threepence, penny, and halfpenny.

BRITISH HONDURAS

[Coins in active circulation at end of December 1949]

50 cents.....	11.6205	Silver, 0.925 fineness.....		
25 cents.....	5.8102	do.....		
10 cents.....	2.3241	do.....		
5 cents.....	3.6287	79 copper, 20 zinc, 1 nickel.....		
1 cent.....	5.6700	95.5 copper, 3 tin, 1.5 zinc.....		

BRITISH MALAYA

[Coins in active circulation at end of December 1949]

1 dollar.....	20.217	900 silver.....		
Do.....	16.348	500 silver.....		
½ dollar.....	10.108	900 silver.....		
Do.....	8.424	500 silver.....		
20 cents.....	5.430	800 silver.....	23.2917	
Do.....	5.430	750 silver.....	23.2917	
Do.....	5.430	600 silver.....	23.2917	
Do.....	5.430	500 silver.....	23.2917	
Do.....	5.430	400 silver.....	23.2917	
Do.....	5.655	75 copper, 25 nickel.....	23.5966	
10 cents.....	2.715	800 silver.....	18.0339	
Do.....	2.715	750 silver.....	18.0339	
Do.....	2.715	600 silver.....	18.0339	
Do.....	2.715	500 silver.....	18.0339	
Do.....	2.715	400 silver.....	18.0339	
Do.....	2.827	75 copper, 25 nickel.....	19.4056	
5 cents.....	1.357	800 silver.....	15.6971	
Do.....	1.357	750 silver.....	15.6971	
Do.....	1.357	600 silver.....	15.6971	
Do.....	1.357	500 silver.....	15.6971	
Do.....	1.357	400 silver.....	15.6971	
Do.....	1.413	75 copper, 25 nickel.....	16.2560	
1 cent.....	5.832	do.....		
Do.....	5.832	95 copper, 4 tin, 1 zinc.....		
Do.....	4.212	do.....		

Malayan coins circulate in the Colony of Singapore including its dependencies, Christmas and Cocos Islands; the Federation of Malaya; Brunei; and the Settlement of Labuan; and since 1945, in the colonies of Borneo and Sarawak.

BRITISH WEST AFRICA

[Coins in active circulation at end of December 1949]

Denomination	Gross weight	Composition (proportion of metals)	Diam-eter	Thick-ness
Florin.....	Grams 11.31036	79 copper, 20 zinc, 1 nickel.....	Milli-meters	Milli-meters
Shilling.....	5.65518	do.....	-----	-----
Sixpence.....	3.490	do.....	-----	-----
Threepence.....	5.184	80 copper, 20 nickel.....	-----	-----
Penny.....	9.45	do.....	-----	-----
Halfpenny.....	5.67	do.....	-----	-----
Tenthpenny.....	1.944	do.....	-----	-----

Silver coins in process of withdrawal in British West Africa.

BURMA

[Coins of India legal tender in Burma in 1949; distinctive Burmese coins to be issued in 1950]

CANADA

[Coins in active circulation at end of December 1949]

1 dollar.....	23.3276	925 silver, 75 copper; and 800 silver, 200 copper.	35.9918	2.9718
50 cents.....	11.6638		29.6164	2.1536
25 cents.....	5.8319		23.5712	1.8288
10 cents.....	2.3328		17.7800	1.3462
5 cents.....	1.1664		15.4940	0.5842
Do.....	4.5350		21.2000 to 21.2598	1.9050
Do.....	4.5359	Pure nickel.....	21.2000	1.9050
Do.....	4.5359	88 copper, 12 zinc (Tombac).....	21.2000	1.9050
1 cent.....	3.2390	Steel chrome plated.....	21.2000	1.9050
		98 copper, 1.5 zinc, 0.5 tin.....	19.0600	1.651

CEYLON

[Coins in active circulation at end of December 1949]

50 cents.....	8.808	79 copper, 20 zinc, 1 nickel.....	24.120	1.884
25 cents.....	2.754	do.....	18.034	1.499
10 cents (scalloped edge).....	4.212	do.....	(*)	1.372
5 cents (square with round corners).....	3.888	75 copper, 25 nickel.....	(*)	1.626
Do.....	3.888	79 copper, 20 zinc, 1 nickel.....	(*)	1.626
Do.....	3.240	do.....	(*)	1.473
2 cents (scalloped edge).....	2.592	do.....	(*)	1.295
1 cent.....	4.725	Copper or 95.5 copper, 3 tin, 1.5 zinc.....	22.352	1.727
Do.....	2.362	Copper or 97 copper, 2.5 zinc, 0.5 tin.....	22.352	.964

* Across scallops, 22.860 mm. Inside scallops, 20.955 mm.

* Diagonally, 21.463 mm. Across flats, 18.237 mm.

* Across scallops, 18.415 mm. Inside scallops, 17.018 mm.

CHILE

[Coins in active circulation at end of December 1949]

1 peso.....	7.5	95.5 copper, 3.0 tin, 1.5 zinc.....	25	2
Do.....	10	75 copper, 25 nickel.....	29	-----
50 centavos.....	4	95.5 copper, 3.0 tin, 1.5 zinc.....	20.5	1.7
20 centavos.....	3	do.....	18	1.6
Do.....	4.5	75 copper, 25 nickel.....	22.5	-----
10 centavos.....	2	95.5 copper, 3.0 tin, 1.5 zinc.....	16.5	-----
Do.....	3	75 copper, 25 nickel.....	19.5	-----
5 centavos.....	2	do.....	16.5	-----

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COLOMBIA

[Coins in active circulation at end of December 1949]

Denomination	Gross weight	Composition (proportion of metals)	Diameter	Thickness
	<i>Grams</i>			
50 centavos.....	12.5	900 silver, 100 copper.....	30	1.85
Do.....	12.5	500 silver, 400 copper, 50 nickel, 50 zinc.....	30	1.85
20 centavos.....	5	900 silver, 100 copper.....	23	1.33
Do.....	5	500 silver, 400 copper, 50 nickel, 50 zinc.....	23	1.33
10 centavos.....	2.5	900 silver, 100 copper.....	18	1.05
Do.....	2.5	500 silver, 400 copper, 50 nickel, 50 zinc.....	18	1.05
5 centavos.....	4	75 copper, 25 nickel.....	21	1.30
Do.....	4	95 copper, 5 nickel.....	21	1.30
2 centavos.....	3	75 copper, 25 nickel.....	19	1.25
Do.....	3	95 copper, 5 nickel.....	19	1.25
1 centavo.....	2	75 copper, 25 nickel.....	17	1.05
Do.....	2	95 copper, 5 nickel.....	17	1.05

Colombian silver coins of 900 fineness in process of withdrawal.

COSTA RICA

[Coins in active circulation at end of December 1949]

2 colones.....	14	75 copper, 25 nickel.....	32	2.0
1 colon.....	10	do.....	29	2.0
50 centimos.....	7	do.....	26	1.7
25 centimos.....	3.45	do.....	23	1.3
10 centimos.....	2	95 copper, 4 zinc, 1 tin.....	18	1.1
5 centimos.....	1	do.....	15	1.0

CUBA

[Coins in active circulation at end of December 1949]

1 peso.....	26.7295	900 silver, 100 copper.....	38.10	2.9
40 centavos.....	10	do.....	29.06	1.8
20 centavos.....	5	do.....	23.27	1.3
10 centavos.....	2.5	do.....	17.91	1.3
5 centavos.....	5	70 copper, 30 zinc and 75 copper, 25 zinc.....	21.21	1.9
2 centavos.....	3.5	75 copper, 25 zinc.....	19.31	1.6
1 centavo.....	2.305	70 copper, 30 zinc.....	19.01	1.5
Do.....	2.5	75 copper, 25 zinc.....	19.01	1.5

United States coins also circulate in Cuba.

CYPRUS

[Coins in active circulation at end of December 1949]

18 piastres.....	11.31036	Silver 925, copper 75.....		
Do.....	11.31036	Copper 75, nickel 25.....		
9 piastres.....	5.65518	Silver 925, copper 75.....		
Do.....	5.65518	Copper 75, nickel 25.....		
1 plastre.....	5.184	Cupro-nickel.....	23	1.5
Do.....	5.184	Bronze with $\frac{1}{4}$ percent tin.....	23	1.5
$\frac{1}{2}$ plastre.....	2.592	Cupro-nickel.....	19	1.0
Do.....	2.592	Bronze with $\frac{1}{4}$ percent tin.....	19	1.0

CZECHOSLOVAKIA

[Coins in active circulation at end of December 1949]

Denomination	Gross weight	Composition (proportion of metals)	Diameter	Thickness
	<i>Grams</i>			
100 koruny.....	14	500 silver, 400 copper, 50 nickel, 50 zinc.....	31	
50 koruny.....	10	do.....	28	
20 koruny.....	12	700 silver, 300 copper.....	34	
10 koruny.....	10	do.....	30	
2 koruny.....	6	80 copper, 20 nickel.....	23.5	
1 koruna.....	4.5	do.....	21	
Do.....	1.3	Aluminum.....	21	
Do.....	4.5	Zinc.....	23	
50 halers.....	3	92 copper, 8 zinc.....	20	
20 halers.....	2	do.....	18	
10 halers.....	1.6	do.....	16	
Do.....	1.866	Zinc.....	17	

DENMARK

[Coins in active circulation at end of December 1949]

2 kroner.....	13.0	92 copper, 6 aluminum, 2 nickel.....	31.5	2.45
1 krone.....	6.5	do.....	25.5	1.90
25 øre.....	4.5	75 copper, 25 nickel.....	23.0	1.65
Do.....	3.6	Zinc.....	23.0	1.62
10 øre.....	3.0	75 copper, 25 nickel.....	18.0	1.75
Do.....	2.4	Zinc.....	18.0	1.63
5 øre.....	7.6	95 copper, 4 tin, 1 zinc.....	27.0	1.92
Do.....	2.4	Aluminum.....	27.0	1.76
Do.....	6.4	Zinc.....	27.0	1.80
2 øre.....	3.8	95 copper, 4 tin, 1 zinc.....	21.0	1.55
Do.....	1.2	Aluminum.....	21.0	1.45
Do.....	3.2	Zinc.....	21.0	1.47
1 øre.....	1.9	95 copper, 4 tin, 1 zinc.....	16.0	1.31
Do.....	1.6	Zinc.....	16.0	1.31

DOMINICAN REPUBLIC

[Coins in active circulation at end of December 1949]

1 peso.....	26.7	900 silver, 100 copper.....	38.100	2,8956
½ peso.....	12.5	do.....	30.607	2,1844
25 centavos.....	6.25	do.....	24.257	1,7018
10 centavos.....	2.5	do.....	17.907	1,3462
5 centavos.....	5	75 copper, 25 nickel.....	21.209	1,9812
1 centavo.....	3	95 copper, 5 zinc and tin.....	19.050	1,5748

United States coins also circulate in the Dominican Republic.

ECUADOR

[Coins in active circulation at end of December 1949]

5 sucres.....	25	720 silver, 280 copper.....	37.5	2.93
2 sucres.....	10	do.....	28.75	1.95
1 sucre.....	5	do.....	23.5	1.56
1 sucre.....	7	Pure nickel.....	26	1.56
20 centavos.....	4	80 copper, 20 zinc.....	21	1.54
Do.....	4	75 copper, 25 nickel.....	21	1.54
10 centavos.....	3	80 copper, 20 zinc.....	19	1.25
Do.....	3	75 copper, 25 nickel.....	19	1.25
5 centavos.....	2	80 copper, 20 zinc.....	17	1.04
Do.....	2	75 copper, 25 nickel.....	17	1.04

Minor number of Ecuadorian silver coins in circulation.

EGYPT

[Coins in active circulation at end of December 1948] *

Denomination	Gross weight	Composition (proportion of metals)	Diameter	Thickness
	<i>Grams</i>			
500 piasters.....	42.5	875 gold, 125 copper.....	40	
100 piasters.....	8.5	.....do.....	23	
50 piasters.....	4.25	.....do.....	20	
20 piasters.....	1.7	.....do.....	14.45	
Do.....	28	833½ silver, 166½ copper.....	40	
10 piasters.....	14	.....do.....	33	
5 piasters.....	7	.....do.....	26	
2 piasters.....	2.8	.....do.....	19	
1 piaster.....	1.4	.....do.....	14.5	
10 milliemes.....	5.5	75 copper, 25 nickel.....	23	
Do.....	6	95 copper, 4 tin, 1 zinc.....	25	
5 milliemes.....	4	75 copper, 25 nickel.....	21	
2½ milliemes.....	3	.....do.....	20	
2 milliemes.....	2.5	.....do.....	18	
1 millieme.....	4.4	95 copper, 4 tin, 1 zinc.....	23	
½ millieme.....	3½	.....do.....	20	
¼ millieme.....	2	.....do.....	18	

* Latest available data.

EL SALVADOR

[Coins in active circulation at end of December 1949]

25 centavos.....	7.5	900 silver, 100 copper.....	29	
10 centavos.....	7	75 copper, 25 nickel.....	26	
5 centavos.....	5	.....do.....	23	
Do.....	5	70 copper, 18 zinc, 12 nickel.....	23	
3 centavos.....	3.5	75 copper, 25 nickel.....	20	
1 centavo.....	2.5	95 copper, 5 zinc.....	16	
Do.....	2.5	75 copper, 25 nickel.....	16	

United States dimes also circulate as 25-centavo denomination in El Salvador.

ERITREA

[Coins in active circulation at end of December 1948] *

1 shilling.....		Silver.....		
50 cents.....		do.....		
10 cents.....		Bronze.....		
5 cents.....		do.....		
1 cent.....		do.....		

* Latest available data.

ETHIOPIA

[Coins in active circulation at end of December 1949]

50 cents.....	7.0307	800 silver, 200 copper and 700 silver, 300 copper.....	25	2
25 cents.....	6.8039	95 copper, 5 zinc and 95 copper, 5 zinc and tin.....	26	1.8
10 cents.....	6.0911	.....do.....	23	2.1
5 cents.....	4.0175	.....do.....	20	1.8
1 cent.....	2.8511	.....do.....	17	1.8

FIJI

[Coins in active circulation at end of December 1949]

Florin.....	11.31036	500 silver, 500 copper.....	28.6258	2.1590
1 shilling.....	5.65518	.....do.....	23.8760	1.6510
Sixpence.....	2.82759	.....do.....	19.4310	1.3461
Threepence (12-sided).....	6.15590	79 copper, 20 zinc, 1 nickel.....	21.7170	2.4130
Penny.....	6.47990	75 copper, 25 nickel.....	26.0858	1.9050
Halfpenny.....	3.23995	.....do.....	21.0058	1.6002

FINLAND

[Coins in active circulation at end of December 1949]

Denomination	Gross weight	Composition (proportion of metals)	Diameter	Thickness
	<i>Grams</i>			
20 markkaa	13.000	92 copper, 6 aluminum, 2 nickel	31.0	Millimeters
10 markkaa	8.000	do	27.0	-----
5 markkaa	4.500	do	23.0	-----
Do	4.550	72 copper, 26 zinc, 2 aluminum	23.0	-----
1 markka	4.000	75 copper, 25 nickel	21.0	-----
Do	4.000	Pure copper, or; 95 copper, 4 tin, 1 zinc	21.0	-----
Do	3.500	Iron	21.0	-----
50 pennia	2.550	75 copper, 25 nickel	18.5	-----
Do	2.550	Pure copper, or; 95 copper, 4 tin, 1 zinc	18.5	-----
Do	2.250	Iron	18.5	-----
25 pennia	1.275	75 copper, 25 nickel	16.0	-----
Do	1.275	Pure copper, or; 95 copper, 4 tin, 1 zinc	16.0	-----
Do	1.125	Iron	16.0	-----
10 pennia	5.000	Pure copper, or; 95 copper, 4 tin, 1 zinc	22.0	-----
Do	2.550	do	{ 18.5	-----
Do	1.125	Iron	{ +3.5 16.0	-----
5 pennia	2.500	Pure copper, or; 95 copper, 4 tin, 1 zinc	18.0	-----
Do	1.275	do	{ 16.0 +3.0	-----

+ Perforation.

FRANCE

[Coins in active circulation at end of December 1949]

20 francs	10	75 copper, 25 nickel	30	
10 francs	7	do	26	-----
5 francs	12	91 copper, 9 aluminum	30	-----
Do	3.5	Aluminum	31	-----
2 francs	8	91 copper, 9 aluminum	27	-----
Do	2.2	Aluminum	27	-----
1 franc	4	91 copper, 9 aluminum	23	-----
Do	1.3	Aluminum	23	-----
50 centimes	2	91 copper, 9 aluminum	18	-----
Do	0.7-	Aluminum	18	-----
	0.8			

Bronze-aluminum coins being withdrawn from circulation in metropolitan France and progressively placed in circulation in French overseas territories.

FRENCH EQUATORIAL AFRICA

[Coins in active circulation at end of December 1949]

5 francs	12	91 copper, 9 aluminum		
Do	3.5	Aluminum		
2 francs	8	91 copper, 9 aluminum		
Do	2.2	Aluminum		
1 franc	4	91 copper, 9 aluminum		
Do	1.3	Aluminum		
50 centimes	.7	do		

In addition, the cupro-nickel 10 franc piece of metropolitan France circulates in French Equatorial Africa.

GERMANY

[Coins in active circulation at end of December 1949]

10 pfennig	4	Iron kernel with tombac plating	21.5	1.7
5 pfennig	3	do	18.5	1.7
1 pfennig	2	Iron kernel with copper plating	16.5	1.35
60 reichspfennig	1.33	Pure aluminum	22.5	1.64
10 reichspfennig	4	91.5 copper, 8.5 aluminum	21	1.81
10 rentenpfennig	4	do	21	1.81

GERMANY—Continued

[Coins recalled from circulation Aug. 31, 1948]

Denomination	Gross weight	Composition (proportion of metals)	Diameter	Thickness
	Grams		Mills-meters	Mills-meters
10 reichspfennig	3.6	Raw zinc.....	21	1.52
5 reichspfennig,	2.5	.....do.....	19	1.54
Do.....	2.5	91.5 copper, 8.5 aluminum.....	18	1.58
5 rentenpfennig	2.5	.....do.....	18	1.58
1 reichspfennig	1.8	Raw zinc.....	17	1.52

GREAT BRITAIN AND NORTHERN IRELAND

[Coins in active circulation at end of December 1949]

Crown.....	28.27590	500 silver, 400 copper, 50 nickel, 50 zinc; or 75 copper, 25 nickel.	38.735	2.022
Half crown.....	14.13795	.....do.....	32.300	2.412
Florin.....	11.31036	.....do.....	28.499	2.412
Shilling.....	5.65518	.....do.....	23.622	1.925
Sixpence.....	2.82759	.....do.....	19.406	1.681
Threepence.....	1.41379	.....do.....	16.256	1.681
Do.....	6.80398	79 copper, 20 zinc, 1 nickel.....	21.844	2.704
Penny.....	9.44984	95.5 copper, 3 tin, 1.5 zinc.....	30.861	2.082
Halfpenny.....	5.66990	.....do.....	25.451	1.925
Farthing.....	2.83495	.....do.....	20.198	1.925

Silver coins (except Maundy Money) are no longer coined but are in process of withdrawal from circulation, and are being replaced by the cupro-nickel coins authorized under the coinage act of 1946.

MAUNDY MONEY: (Does not actively circulate)

Fourpence.....		925 silver, 75 copper.....		
Threepence.....		.....do.....		
Twopence.....		.....do.....		
Penny.....		.....do.....		

GREENLAND

[Coins in active circulation at end of December 1949]

5 kroner.....	13.25	70 copper, 30 zinc.....	31	
1 krone.....	7.5	92 copper, 8 aluminum, 2 nickel.....	28.2	1.6
50 ører.....	3.75	.....do.....	22	.7
25 ører.....	7	75 copper, 25 nickel.....	25	.2

In addition, 1 øre, 2, 5, and 10 ører coins of Denmark circulate in Greenland.

GUATEMALA

[Coins in active circulation at end of December 1949]

25 centavos.....	8½	720 silver, 280 copper.....	27	1.3
10 centavos.....	3½	.....do.....	21	.8
5 centavos.....	1½	.....do.....	16	.7
2 centavos.....	6	70 copper, 30 zinc.....	25.5	1.6
1 centavo.....	3	.....do.....	21	1.0
½ centavo.....	1½	.....do.....	16	.65

HAITI

[Coins in active circulation at end of December 1949]

50 centimes.....	9.88	75 copper, 25 nickel.....	29	
20 centimes.....	7.55	.....do.....	26	1.55
10 centimes.....	4	.....do.....	22	1.25
5 centimes.....	2.65	.....do.....	20	1.14

United States coins also circulate in Haiti.

HONDURAS

[Coins in active circulation at end of December 1949]

Denomination	Gross weight	Composition (proportion of metals)	Diameter	Thickness
1 lempira.....	12.5	900 silver, 100 copper.....	31	Millimeters
50 centavos.....	6.25	.....do.....	24	-----
20 centavos.....	2.5	.....do.....	18	-----
10 centavos.....	7	75 copper, 25 nickel.....	26	-----
5 centavos.....	5	.....do.....	21	-----
2 centavos.....	3	95 copper, 5 zinc and tin.....	20	-----
1 centavo.....	2	.....do.....	16	-----

United States coins also circulate in Honduras.

HUNGARY

[Coins in active circulation at end of December 1949]

20 forints (centenary).....	28	500 silver, 500 copper.....	40	2.33
10 forints (centenary).....	20	.....do.....	36	2.20
5 forints I.....	20	835 silver, 165 copper.....	32	2.30
5 forints II, III.....	12	500 silver, 500 copper.....	32	1.55
2 forints.....	2.8	Aluminum.....	28	1.79
1 forint.....	1.5	.....do.....	23	1.33
50 fillér.....	1.4	.....do.....	22.5	1.33
20 fillér.....	4.0	96 copper, 4 aluminum.....	21	1.30
10 fillér.....	3.0	.....do.....	19	1.38
5 fillér.....	.6	Aluminum.....	17.5	1.00
2 fillér.....	3.0	90 copper, 10 zinc.....	17	1.55

ICELAND

[Coins in active circulation at end of December 1949]

2 kronur.....	9.5	92 copper, 6 aluminum, 2 nickel.....	28	2.0
1 krona.....	4.75	.....do.....	22.5	1.5
25 aurar.....	2.4	75 copper, 25 nickel.....	17	1.25
Do.....	2	Zinc.....	17	1.25
10 aurar.....	1.5	75 copper, 25 nickel.....	15	1.00
Do.....	1.25	Zinc.....	15	1.00
5 aurar.....	6	95 copper, 4 tin, 1 zinc.....	24	1.5
Do.....	6	97 copper, 2.5 zinc, 0.5 tin.....	24	1.5
2 aurar.....	3	95 copper, 4 tin, 1 zinc.....	19	1.25
Do.....	3	97 copper, 2.5 zinc, 0.5 tin.....	19	1.25
1 eyrir.....	1.6	95 copper, 4 tin, 1 zinc.....	15	1.00
Do.....	1.6	97 copper, 2.5 zinc, 0.5 tin.....	15	1.0

INDIA

[Coins in active circulation at end of December 1949]

Denomination	Gross weight	Composition (proportion of metals)	Diameter	Thickness
	<i>Grams</i>			
1 rupee.....	11.6638	500 silver, 500 copper, zinc and nickel.....	30.48	
Do.....	11.6638	Pure nickel.....	27.94	
½ rupee.....	5.8319	500 silver, 500 copper, zinc and nickel.....	24.13	
Do.....	5.8319	Pure nickel.....	24.13	
¼ rupee.....	2.9160	500 silver, 500 copper, zinc and nickel.....	19.05	
Do.....	2.9160	916½ silver, 83½ copper.....	19.05	
Do.....	2.9160	Pure nickel.....	19.05	
4 annas.....	6.8039	75 copper, 25 nickel.....	{ 23.5	
2 annas.....	.7452	916½ silver, 83½ copper.....	{ 25.4	
Do.....	5.8319	79 copper, 20 zinc, 1 nickel.....	{ 15.24	
Do.....	5.8319	75 copper, 25 nickel.....	{ 22.352	
Do. (George V).....	5.8319	do.....	{ 25.40	
1 anna.....	3.8879	79 copper, 20 zinc, 1 nickel.....	{ 21.01	
Do.....	3.8879	75 copper, 25 nickel.....	{ 25.4	
½ anna.....	2.9160	79 copper, 20 zinc, 1 nickel.....	{ 19.7993	
Do.....	2.9160	75 copper, 25 nickel.....	{ 19.7993	
Single piece.....	6.4799	Copper.....	{ 19.7612	
Do.....	4.8599	Bronze alloy.....	{ 17.3736	
Do.....	1.9440	do.....	{ 19.7612	
½ pice.....	3.2399	Copper.....	{ 17.3736	
Do.....	2.4300	Bronze alloy.....	{ 21.34	
Pie pieces.....	2.1599	Copper.....	{ 17.27	
Do.....	1.6200	Bronze alloy.....	{ 17.27	

Coins are round with these exceptions: 4 annas and 1 anna, scalloped; 2 annas and ½ anna, square with round corners; bronze single piece of 1.944 grams, round with round hole in center.

Bronze alloy: Until February 1936, 95 copper, 4 tin, 1 zinc; from February 1936 until 1943, 95.5 copper, 3 tin, 1.5 zinc; from 1943 to date, 97 copper, 0.5 tin, 2.5 zinc.

Cupro-nickel and nickel-brass coins currently issued.

INDOCHINA

[Coins in active circulation at end of December 1947. Silver coins of 50-cent denomination withdrawn from circulation by administrative order of April 24, 1947, published in Journal Officiel of May 1, 1947.]

1 piastre.....	20	900 silver.....	35	2.50
50 cents.....	12.6	75 copper, 25 nickel.....	30	2.44
20 cents.....	7	90 nickel, 10 copper.....	24	1.75
Do.....	7	75 nickel, 25 copper.....	24	1.75
Do.....	2.2	Aluminum.....	27	1.80
10 cents.....	3	90 nickel, 10 copper.....	18	1.55
Do.....	3	75 nickel, 25 copper.....	18	1.55
Do.....	1.3	Aluminum.....	23	1.55
5 cents.....	.75	do.....	20	1.32
Do.....	.70	do.....	18	1.32
1 cent.....	.50	do.....	17	1.24

*Latest available data.

INDONESIA (FORMERLY NETHERLANDS EAST INDIES)

[Coins in active circulation at end of December 1949]

2½ florin.....	25.00	720 silver, 280 copper.....	38.0	2.5
1 florin.....	10.00	do.....	28.0	2.0
50 cents.....	5.00	do.....	22.0	1.5
25 cents.....	3.18	do.....	19.0	1.0
10 cents.....	1.25	do.....	15.0	.8
5 cents.....	5.00	75 copper, 25 nickel.....	21.0	1.5
2½ cents.....	4.00	Copper; or 95 copper, 5 tin and zinc; or 95 copper, 5 zinc.....	31.0	2.0
1 cent.....	2.50	do.....	23.0	1.0
½ cent.....	1.25	do.....	17.0	1.0

IRAN

[Coins in active circulation at end of December 1949]

Denomination	Gross weight	Composition (proportion of metals)	Diameter	Thickness
1 pahlavi.....	8.13698	900 gold.....	22	Millimeters
½ pahlavi.....	4.06799	do.....	19	mm
10 rials.....	16	600 silver.....	32	mm
5 rials.....	8	do.....	26	mm
2 rials.....	3.2	do.....	22	mm
1 rial.....	1.6	do.....	18	mm
50 dinars.....	3.49	Copper.....	20	mm
Do.....	3.49	91.5 copper, 8.5 aluminum.....	20	mm
10 dinars.....	2.68	do.....	18	mm
5 dinars.....	1.65	do.....	16	mm

IRAQ

[Coins in active circulation at end of December 1949]

200 fils (rial).....	20	900 silver.....	34.0	mm
50 fils (dirham).....	9	500 silver.....	26.5	mm
20 fils.....	3.6	do.....	20.5	mm
10 fils.....	6.75	Pure nickel.....	26.0	mm
4 fils.....	4	do.....	21.0	mm
2 fils.....	5	96.5 copper, 3.0 tin, 1.5 zinc.....	24.0	mm
1 fil.....	2.5	do.....	19.8	mm

IRELAND

[Coins in active circulation at end of December 1949]

Half crown.....	14.13795	750 silver, 250 copper.....	22.385	2.266
Florin.....	11.31036	do.....	28.575	2.266
Shilling.....	5.65518	do.....	23.749	1.778
Sixpence.....	4.53593	Pure nickel, and cupro-nickel 75/25.....	20.965	1.966
Threepence.....	3.23995	do.....	17.663	1.906
Penny.....	0.44984	96.5 copper, 3 tin, 1.5 zinc.....	20.861	1.906
Halfpenny.....	5.66600	do.....	25.527	1.778
Farthing.....	2.83495	do.....	20.193	1.524

ISRAEL

[Coins in active circulation at end of December 1949]

100 mils.....	11.6	720 silver, 280 copper.....	29	mm
50 mils.....	5.8	do.....	23.6	mm
20 mils.....		Nickel-bronze.....	• 30.5	mm
10 mils.....		do.....	• 27	mm
5 mils.....		do.....	• 20	mm
2 mils.....		Bronze.....	28	mm
1 mill.....		do.....	21	mm

The Israel pound is divided into 1,000 mils.
• Perforated.

ITALY

[Coins in active circulation at end of December 1948] *

10 lire.....	3	Aluminum-magnesium-manganese.....	29	mm
5 lire.....	2.5	do.....	26.7	mm
2 lire.....	1.75	do.....	24.1	mm
1 lira.....	1.25	do.....	21.6	mm

*Latest available data.

JAMAICA, BRITISH WEST INDIES

[Coins in active circulation at end of December 1949]

Denomination	Gross weight	Composition (proportion of metals)	Diameter	Thickness
Three-penny.....	Grams 6.80388	79 copper, 20 zinc, 1 nickel.....	Millimeters 21.844	Millimeters 2.794
Penny.....	7.50	do.....	27.00	
Halfpenny.....	4.50	do.....	22.50	
Farthing.....	2.75	do.....	20.25	

British coins also circulate in Jamaica. See *Great Britain*.

JAPAN

[Coins in active circulation at end of December 1949]

5 yen.....	4	60-70 copper, 30-40 zinc.....	22	1.25
Do.....	3.75	do.....	22	
1 yen.....	3.2	do.....	5	1.25
50 sen.....	4.5	do.....	20	
Do.....	2.8	do.....	23.5	1.65
10 sen.....	1.5	Pure aluminum.....	19	1.2
Do.....	1.2	do.....	22	1.8
Do.....	1	do.....	22	1.53
Do.....	1	do.....	22	1.27
Do.....	2.4	93 tin, 7 zinc.....	22	1.312
Do.....	4	95 copper, 5 aluminum.....	19	1.65
5 sen.....	2.8	do.....	5	
Do.....	1.95	93 tin, 7 zinc.....	22	
Do.....	2	do.....	4.6	1.71
Do.....	1.2	Pure aluminum.....	19	
Do.....	1	do.....	4	1.48
Do.....	0.8	do.....	17	
1 sen.....	3.75	95 copper, 4 tin, 1 zinc.....	4	1.65
Do.....	3.75	90 copper, 10 zinc.....	17	
Do.....	0.9	Pure aluminum.....	19	1.87
Do.....	0.65	do.....	19	1.61
Do.....	0.55	do.....	19	1.332
Do.....	1.3	50 tin, 50 zinc.....	23.03	1.37
			23.03	1.32
			17.5	1.68
			16	1.57
			16	1.312
			15	1.45

Japanese coins with two diameters are round with round hole in center.

JORDAN

[Palestine coins in circulation in 1949. Distinctive Jordan coins to be issued]

KUWAIT

[Coins of India in circulation]

LEBANON

[Coins in active circulation at end of December 1949]

50 piasters.....	10	680 silver, 320 copper.....	28	2
25 piasters.....	5	do.....	24	1.5
10 piasters.....	2	do.....	17	1
5 piasters.....	4.2	Bronze-aluminum.....	22.5	1.5
2½ piasters.....	2.9	do.....	21	1.5
2 plasters.....	1.9	do.....	18	1

LIBERIA

[Coins in active circulation at end of December 1949]

½ dollar.....	15.0		29.5	2.00
Quarter.....	16.5		23.5	1.25
Dime.....	2.5		17.5	1.00
2 cents.....	9.0		29.0	1.25
1 cent.....	5.5		25.0	1.15
½ cent.....	2.0		17.5	1.00

United States money chief circulating medium in Liberia.

LUXEMBOURG

[Coins in active circulation at end of December 1949]

Denomination	Gross weight	Composition (proportion of metals)	Diameter	Thickness
	<i>Grams</i>		<i>Millimeters</i>	<i>Millimeters</i>
100 francs	25	835 silver, 165 copper	37	
50 francs	12.5	do	31	
20 francs	8.5	do	27	
5 francs	7	75 copper, 25 nickel	25.5	
1 franc	5	Cupro-nickel	23	
Do.	6.5	do	24	
50 centimes	3.5	Pure nickel	20.5	
25 centimes	5.5	Cupro-nickel	25	
Do.	2.5	Bronze	19	
10 centimes	4	Copper	23	
5 centimes	2.5	do	19	

Belgian coins also circulate in Luxembourg.

MADAGASCAR

[Coins in active circulation at end of December 1949]

2 francs (Chambre de Commerce)	7.93	91 copper, 9 aluminum; and pure alumnum.	26	1-7.5
2 francs (Republique Francaise)	7.98	do	26	1-8.5
1 franc (Chambre de Commerce)	4.03	do	23	1-0.3
1 franc (Republique Francaise)	3.88	do	23-9.5	1-2.25
1 franc (Croix de Lorraine)	5.52	do	25-4.5	1-0.2
50 centimes (Republique Francaise)	2.04	do	18-9.5	1-0.1
50 centimes (Croix de Lorraine)	2.78	do	20-0.1	1-0.1

MALAYA

[Coins in active circulation at end of December 1949]

1 dollar	20.217	900 silver		
Do.	16.348	500 silver		
½ dollar	10.108	900 silver		
Do.	8.424	500 silver		
20 cents	5.430	800 silver	23.2917	
Do.	5.430	750 silver	23.2917	
Do.	5.430	600 silver	23.2917	
Do.	5.430	500 silver	23.2917	
Do.	5.430	400 silver	23.2917	
Do.	5.655	75 copper, 25 nickel	23.5966	
10 cents	2.715	800 silver	18.0339	
Do.	2.715	750 silver	18.0339	
Do.	2.715	600 silver	18.0339	
Do.	2.715	500 silver	18.0339	
Do.	2.715	400 silver	18.0339	
Do.	2.827	75 copper, 25 nickel	19.4056	
5 cents	1.357	800 silver	15.6971	
Do.	1.357	750 silver	15.6971	
Do.	1.357	600 silver	15.6971	
Do.	1.357	500 silver	15.6971	
Do.	1.357	400 silver	15.6971	
Do.	1.413	75 copper, 25 nickel	16.2560	
1 cent	5.832	do		
Do.	5.832	95 copper, 4 tin, 1 zinc		
Do.	4.212	do		

MEXICO

[Coins in active circulation at end of December 1949]

5 pesos	30	900 silver, 100 copper	40	2.3
1 peso	14	500 silver, 400 copper, 60 nickel, 40 zinc	32	2.28
20 centavos	10	95 copper, 4 zinc, 1 tin	28.5	1.77
10 centavos	5.5	80 copper, 20 nickel	23.5	1.37
5 centavos	4.0	do	20.5	1.33
Do.	6.5	95 copper, 4 zinc, 1 tin	25.5	1.44
1 centavo	3	do	20	1.04

MOROCCO

[Coins in active circulation at end of December 1949]

Denomination	Gross weight	Composition (proportion of metals)	Diameter	Thickness
	<i>Grams</i>			
20 francs.....	10	75 copper, 25 nickel.....	30	1.2
10 francs.....	7	.....do.....	26	1.2
5 francs.....	12	91 copper, 9 aluminum.....	31	2
2 francs.....	8	.....do.....	27	2
1 franc.....	4	.....do.....	22	1
½ franc.....	2	.....do.....	18	1

NETHERLANDS

[Coins in active circulation at end of December 1949]

Ducat.....	3.494	983 gold, 17 copper.....	21	
Rijksdaalder (2½ guilders).....	25.000	945 silver, 55 copper.....	33	
Do.....	25.000	720 silver, 280 copper.....	33	
Gulden.....	10.000	.....do.....	28	
Kwartje (25-cent).....	3.575	640 silver, 360 copper.....	19	
Do.....	5.000	Zinc.....	26	
Do.....	3.000	Nickel.....	19	
Dubbeltje (10 cent).....	1.400	640 silver, 360 copper.....	15	
Do.....	3.300	Zinc.....	22	
Do.....	1.500	Nickel.....	15	
Stuiver (5-cent) Square.....	4.500	75 copper, 25 nickel.....	18	
Do.....	3.600	Zinc.....	18	
Do.....	3.500	95 copper, 4 tin, 1 zinc.....	21	
Halve stuiver (2½-cent).....	4.000	.....do.....	23.5	
Do.....	2.800	Zinc.....	20	
Centstukken.....	2.500	95 copper, 4 tin, 1 zinc.....	19	
Do.....	2.000	Zinc.....	17	
Do.....	2.000	95 copper, 4 tin, 1 zinc.....	17	

Gold ducat without capacity of legal tender.

NETHERLANDS GUIANA (SURINAM)

[Coins in active circulation at end of December 1949]

2½ guilders.....	25	720 silver, 280 copper.....	33	
1 guilder.....	10	.....do.....	28	
½ guilder.....	5	.....do.....	22	
¼ guilder.....	3.575	640 silver, 360 copper.....	19	
¼ guilder.....	1.4	.....do.....	15	
5 cents.....	4.5	Nickel-silver.....	18	
2½ cents.....	4	95 copper, 4 zinc, 1 tin; or 70 copper, 30 zinc.....	23.5	
1 cent.....	2.5	.....do.....	19	

Silver coins of 2½, 1, and ½ guilders being recalled in 1949.

NETHERLANDS WEST INDIES (CURACAO)

[Coins in active circulation at end of December 1949]

Denomination	Gross weight	Composition (proportion of metals)	Diameter	Thickness
Rijksdaalder.....				
Gulden.....	25	720 silver, 280 copper.....	38	
Kwartje.....	10	.....do.....	28	
Dubbelte.....	3.575	640 silver, 360 copper.....	19	
Stuiver (Square).....	1.4	.....do.....	15	
12½ cents.....	4.5	75 copper, 25 nickel.....	18	
1 cent.....	4	95 copper, 4 zinc, 1 tin.....	23.5	
½ cent.....	2.5	.....do.....	19	
	1.25	95 copper, 4 zinc, 1 tin; and 95 copper, 5 zinc.	14	

NEW ZEALAND

[Coins in active circulation at end of December 1949]

Half crown.....	14.13795	500 silver, 500 copper.....	32.3068	
Do.....	14.13795	75 copper, 25 nickel.....	32.3068	
Florin.....	11.31036	500 silver, 500 copper.....	28.6004	
Do.....	11.31036	75 copper, 25 nickel.....	28.6004	
Shilling.....	5.65518	500 silver, 500 copper.....	23.6474	
Do.....	5.65518	75 copper, 25 nickel.....	23.6474	
Sixpence.....	2.82759	500 silver, 500 copper.....	19.4310	
Do.....	2.82759	75 copper, 25 nickel.....	19.4310	
Threepence.....	1.41379	500 silver, 500 copper.....	16.3068	
Do.....	1.41379	75 copper, 25 nickel.....	16.3068	
Pence.....	9.44984	.....do.....	30.8	
Half-pence.....	5.66991	.....do.....	25.5	

Silver coins in process of withdrawal in New Zealand.

NEWFOUNDLAND

[Coins in active circulation at end of December 1949]

50 cents.....	11.6638	925 silver, 75 copper.....	29.6164	2.1336
25 cents.....	5.8319	.....do.....	23.5712	1.8268
20 cents.....	4.6655	.....do.....		
10 cents.....	2.3328	800 silver, 200 copper.....	17.7800	1.3462
5 cents.....	1.1664	.....do.....	15.4940	0.5842
1 cent.....	3.2399	95 copper, 1.5 zinc, 0.5 tin.....	19.0500	1.6610

Newfoundland became a province of Canada on Apr. 1, 1949.

NICARAGUA

[Coins in active circulation at end of December 1949]

1 cordoba.....	25	900 silver, 100 copper.....	38	3
50 centavos.....	12.5	800 silver, 200 copper.....	30	2
Do.....	8	75 copper, 25 nickel.....	26	2
25 centavos.....	6.25	800 silver, 200 nickel.....	24	1.8
Do.....	5	75 copper, 25 nickel.....	23	1.8
Do.....	7.5	70 copper, 30 zinc.....	27	1.9
10 centavos.....	2.5	800 silver, 200 copper.....	18	1.1
Do.....	4	75 copper, 25 nickel.....	20	1.8
Do.....	5.5	70 copper, 30 zinc.....	24	1.8
5 centavos.....	3	75 copper, 25 nickel.....	17	1.8
Do.....	3.75	70 copper, 30 zinc.....	21	1.6
Do.....	5	75 copper, 25 nickel.....	21	1.6
1 centavo.....	2.5	70 copper, 30 zinc.....	18	1.5
Do.....	4	95 copper, 5 zinc.....	20	1.6
½ centavo.....	2	.....do.....	17	1.5

NORWAY

[Coins in active circulation at end of December 1949]

Denomination	Gross weight	Composition (proportion of metals)	Diameter	Thickness
	<i>Grams</i>			
1 krone.....	7	75 copper, 25 nickel.....	25	5
50 øre.....	4.8	do.....	22	4
Do.....	4	99.8 zinc, 0.2 cadmium.....	22	
25 øre.....	2.4	75 copper, 25 nickel.....	17	3
Do.....	2	99.8 zinc, 0.2 cadmium.....	17	
10 øre.....	1.5	75 copper, 25 zinc.....	15	3
Do.....	1.25	99.8 zinc, 0.2 cadmium.....	15	
5 øre.....	8	95 copper, 4 tin, 1 zinc.....	27	
Do.....	6.944	Iron.....	27	
2 øre.....	4	95 copper, 4 tin, 1 zinc.....	21	
Do.....	3.472	Iron.....	21	
1 øre.....	2	95 copper, 4 tin, 1 zinc.....	16	
Do.....	1.736	Iron.....	16	

PAKISTAN

[Coins in active circulation at end of December 1949]

1 rupee.....	11.6638	Pure nickel.....	28	
½ rupee.....	5.8319	do.....	24	
¼ rupee.....	2.9160	do.....	19	
2 annas.....	5.8319	75 copper, 25 nickel.....	25.4—	
1 anna.....	3.8879	do.....	22	
½ anna.....	2.9160	do.....	29—	
Single pice.....	1.9440	97 copper, 2.5 zinc, 0.5 tin.....	19.8 17 21.5	{ } { } { }

Coins of India also circulate in Pakistan.

PALESTINE

[Coins in active circulation at end of December 1946]*

100 mils.....	11.6638	720 silver, 280 copper.....	29	
50 mils.....	5.8319	do.....	23.	
20 mils.....	11.3398	75 copper, 25 nickel.....	30.5	
10 mils.....	6.4799	do.....	27	
5 mils.....	2.9160	do.....	20	
2 mils.....	7.7759	95.5 copper, 3 tin, 1.5 zinc.....	28	
1 mil.....	3.2399	do.....	21	

* Latest available data.

PANAMA (REPUBLIC OF)

[Coins in active circulation at end of December 1949]

1 balboa.....	26.73	900 silver, 100 copper.....	38	2.8956
0.50 balboa.....	12.5	do.....	30	2.1844
0.25 balboa.....	6.25	do.....	25	1.7018
0.10 balboa.....	2.5	do.....	18	1.3462
0.05 balboa.....	5	75 copper, 25 nickel.....	21	1.9812
0.025 balboa.....	3.30	do.....	18	
0.0125 balboa.....	3.11	95 copper, 5 nickel.....	20	1.5748
0.01 balboa.....	3.11	95 copper, 5 zinc.....	19	1.5748

United States coins also circulate in Panama.

PARAGUAY

[Coins in active circulation at end of December 1949]

50 centimos.....	6	92 copper, 8 aluminum.....	25	
25 centimos.....	5	do.....	23	1.5
10 centimos.....	4	do.....	21	1.45
5 centimos.....	3	do.....	19	1.32
.1 centimo.....	2	do.....	17	1.10

PERU

[Coins in active circulation at end of December 1949]

Denomination	Gross weight	Composition (proportion of metals)	Diameter	Thickness
	<i>Grams</i>			
1 sol.....	14	70 copper, 30 zinc.....	33	1.97
Do.....	14	79 copper, 20 zinc, 1 nickel.....	33	1.97
½ sol.....	7.5	70 copper, 30 zinc.....	27	1.55
Do.....	7.5	79 copper, 20 zinc, 1 nickel.....	27	1.55
20 centavos.....	7	75 copper, 25 nickel.....	24	1.93
Do.....	7	70 copper, 30 zinc.....	24	1.87
10 centavos.....	4	75 copper, 25 nickel.....	20	2.00
Do.....	4	70 copper, 30 zinc.....	20	1.58
5 centavos.....	3	75 copper, 25 nickel.....	17	1.60
Do.....	3	70 copper, 30 zinc.....	17	1.60
2 centavos.....	10	95 copper, 3 tin, 2 zinc.....	24	2.25
Do.....	5	95 copper, 5 zinc.....	24	1.25
1 centavo.....	5	95 copper, 3 tin, 2 zinc.....	19	2.00
Do.....	2.5	95 copper, 5 zinc.....	19	.90

PHILIPPINES

[Coins in active circulation at end of December 1949]

1 peso.....	20	800 silver, 200 copper.....	35.74	-----
50 centavos.....	10	750 silver, 250 copper.....	27.64	-----
20 centavos.....	4	-----do-----	20.83	-----
10 centavos.....	2	-----do-----	16.66	-----
5 centavos.....	4.87	65 copper, 12 nickel, 23 zinc.....	19.05	-----
1 centavo.....	5.184	95 copper, 5 zinc.....	24.77	-----

PORTUGAL

[Coins in active circulation at end of December 1949]

10 escudos.....	12.5	835 silver, 165 copper.....	30	1.71
5 escudos.....	7	650 silver, 350 copper.....	25	1.43
2½ escudos.....	3.5	-----do-----	20	1.12
1 escudo.....	8	61 copper, 20 zinc, 19 nickel.....	26.8	1.62
50 centavos.....	4.5	-----do-----	22.8	1.27
20 centavos.....	3	95 copper, 3 zinc, 2 tin.....	20.5	1.07
10 centavos.....	2	-----do-----	17.5	.96

PORTUGUESE EAST AFRICA (MOZAMBIQUE)

[Coins in active circulation at end of December 1949]

10 escudos.....	12.5	835 silver, 165 copper.....	30.0	1.71
5 escudos.....	7	650 silver, 350 copper.....	25.0	1.43
2½ escudos.....	3.5	-----do-----	20.0	1.12
1 escudo.....	8	80 copper, 20 nickel.....	26.8	1.62
Do.....	7.5	95 copper, 3 zinc, 2 tin.....	26.8	1.62
50 centavos.....	4	-----do-----	22.8	1.27
Do.....	4.5	80 copper, 20 nickel.....	22.8	1.27
20 centavos.....	5	96 copper, 4 zinc.....	25.0	1.24
Do.....	3	95 copper, 3 zinc, 2 tin.....	20.5	1.07
10 centavos.....	4	96 copper, 4 zinc.....	22.5	1.19

PORTUGUESE INDIES

[Coins in active circulation at end of December 1949]

1 rupee.....	11.664	916½ silver, 83½ copper.....	30	1.68
Do.....	12	500 silver, 420 copper, 80 nickel.....	30	1.85
½ rupee.....	5.832	916½ silver, 83½ copper.....	25	1.19
Do.....	5.6	75 copper, 25 nickel.....	24	1.45
¼ rupee.....	2.8	-----do-----	19	1.20
4 tangas.....	4	80 copper, 20 nickel.....	22.5	1.20
2 tangas.....	3	-----do-----	19	1.20
1 tanga.....	4	96 copper, 4 zinc.....	22.5	1.20
Do.....	6	95 copper, 3 zinc, 2 tin.....	25	1.50

PORTUGUESE MACAU

[Pataca of Hong Kong and Chinese coins circulate in Macau]

PORTUGUESE TIMOR

[Coins in active circulation at end of December 1949]

Denomination	Gross weight	Composition (proportion of metals)	Diameter	Thickness
50 avos.....	3.5	650 silver, 350 copper.....	20	.12
20 avos.....	8	61 copper, 20 zinc, 19 nickel.....	20.8	.08
10 avos.....	3	95 copper, 3 zinc, 2 tin.....	20.5	.07

PORTUGUESE WEST AFRICA (ANGOLA)

[Coins in active circulation at end of December 1949]

50 centavos.....	4.5	61 copper, 20 zinc, 19 nickel.....	22.8	.27
20 centavos.....	3	95 copper, 3 zinc, 2 tin.....	20.5	.07
10 centavos.....	2	do.....	17.5	.06

PORTUGUESE WEST AFRICA (CAPE VERDE)

[Coins in active circulation at end of December 1949]

1 escudo.....	8	61 copper, 20 zinc, 19 nickel.....	26.8	.62
50 centavos.....	4.5	do.....	22.8	.27

PORTUGUESE WEST AFRICA (GUINEA)

[Coins in active circulation at end of December 1949]

1 escudo.....	7.5	95 copper, 3 zinc, 2 tin.....	26.8	.07
50 centavos.....	4	do.....	22.8	.27

PORTUGUESE WEST AFRICA (SAN TOME AND PRINCIPE)

[Coins in active circulation at end of December 1949]

10 escudos.....	12.5	835 silver, 165 copper.....	30	.71
5 escudos.....	7	650 silver, 350 copper.....	25	.43
2½ escudos.....	3.5	do.....	20	.12
1 escudo.....	8	80 copper, 20 nickel.....	26.8	.02
Do.....	8	61 copper, 20 zinc, 19 nickel.....	26.8	.02
50 centavos.....	4.5	do.....	22.8	.27

RUMANIA

[Coins in active circulation at end of December 1949]

5 lei.....	1.5	Aluminum with 1.5 percent impurities.....	23	.0
2 lei.....	3.5	92 copper, 8 zinc.....	21	.5
1 leu.....	2.5	63 copper, 37 zinc.....	18	.2
Do.....	1.7	70 copper, 30 zinc.....	16	.0
50 bani.....	1.7	do.....	16	.0

SARAWAK

[Coins in active circulation at end of December 1949]

50 cents.....	10.368	400 silver, 600 copper.....	31	.5
20 cents.....	5.184	do.....	23.5	.2
10 cents.....	5.832	75 copper, 25 nickel.....	25	.5
5 cents.....	3.888	do.....	21	.5
1 cent.....	5.5	Copper.....	24.5	.2
½ cent.....	3	do.....	18	.2

SAUDI ARABIA

[Coins in active circulation at end of December 1949]

Denomination	Gross weight	Composition (proportion of metals)	Diameter	Thickness
	<i>Grams</i>			
1 riyal.....	11.6638	916 3/4 silver, 83 1/4 copper.....	30.5054	1.67
1/2 riyal.....	5.8319	do	24.3840	1.36
1/4 riyal.....	2.9160	do	19.5072	1.08
1 qurush.....	6.5	75 copper, 25 nickel.....	26	1.465
1/2 qurush.....	5.5	do	23	1.46
1/4 qurush.....	4.25	do	20	1.405

British and Australian gold sovereigns also circulate in Saudi Arabia.

SOUTH WEST AFRICA

[Coins of the Union of South Africa in circulation]

SOUTHERN RHODESIA

[Coins in active circulation at end of December 1949]

Half-crown (2½ s.)	14.13795	500 silver, 400 copper, 50 nickel, 50 zinc.....	32.3089	2.3114
Do.....	14.13795	925 silver, 75 copper.....	32.3089	
Do.....	14.13795	75 copper, 25 nickel.....	32.3089	2.3698
Florin (2 s.)	11.31036	500 silver, 400 copper, 50 nickel, 50 zinc.....	28.4989	2.3114
Do.....	11.31036	925 silver, 75 copper.....	28.4989	
Do.....	11.31036	75 copper, 25 nickel.....	28.4989	2.3343
Shilling.....	5.65518	500 silver, 400 copper, 50 nickel, 50 zinc.....	23.5967	1.7526
Do.....	5.65518	925 silver, 75 copper.....	23.5967	
Do.....	5.65518	75 copper, 25 nickel.....	23.5967	1.7780
Sixpence.....	2.82759	500 silver, 400 copper, 50 nickel, 50 zinc.....	19.4057	1.3716
Do.....	2.82759	925 silver, 75 copper.....	19.4057	
Do.....	2.82759	75 copper, 25 nickel.....	19.4057	1.4732
Threepence.....	1.41379	500 silver, 400 copper, 50 nickel, 50 zinc.....	16.2561	1.0160
Do.....	1.41379	925 silver, 75 copper.....	16.2561	
Do.....	1.41379	75 copper, 25 nickel.....	16.2561	1.0668
Penny.....	6.47989	do.....	27	1.6764
Do.....	6.47989	97 copper, 2.5 zinc, 0.5 tin; and 95.5 copper, 3 tin, 1.5 zinc.....	27	1.6764
Half-penny.....	2.91595	75 copper, 25 nickel.....	21	1.4478
Do.....	2.91595	97 copper, 2.5 zinc, 0.5 tin; and 95.5 copper, 3 tin, 1.5 zinc.....	21	1.4478

Coins of Southern Rhodesia circulate in Northern Rhodesia and Nyasaland where British coins also circulate.

Thickness of coins of 925 fineness slightly less than for corresponding denominations of 500 fineness.

SPAIN

[Coins in active circulation at end of December 1949]

5 pesetas.....	15	Pure nickel.....	32	2.47
1 peseta.....	3.50	90 copper, 10 aluminum.....	21	1.60
10 centimos.....	1.85	97.5 aluminum, 2.5 copper.....	23	1.64
5 centimos.....	1.15	do.....	20	1.97

SWAZILAND

[Coins of the Union of South Africa in circulation]

SWEDEN

[Coins in active circulation at end of December 1949]

Denomination	Gross weight	Composition (proportion of metals)	Diameter	Thickness
	Grams		Millimeters	Millimeters
5 kronor.....	25.00	900 silver, 100 copper.....	36	-----
2 kronor.....	15.00	800 silver, 200 copper.....	31	-----
Do.....	14.00	400 silver, 500 copper, 50 nickel, 50 zinc.....	31	-----
1 krona.....	7.50	800 silver, 200 copper.....	25	-----
Do.....	7.00	400 silver, 500 copper, 50 nickel, 50 zinc.....	25	-----
50 ore.....	5.00	600 silver, 400 copper.....	22	-----
Do.....	4.80	400 silver, 500 copper, 50 nickel, 50 zinc.....	22	-----
Do.....	4.80	75 copper, 25 nickel.....	22	-----
25 ore.....	2.42	600 silver, 400 copper.....	17	-----
Do.....	2.32	400 silver, 500 copper, 50 nickel, 50 zinc.....	17	-----
Do.....	2.40	75 copper, 25 nickel.....	17	-----
10 ore.....	1.45	400 silver, 600 copper.....	15	-----
Do.....	1.44	400 silver, 500 copper, 50 nickel, 50 zinc.....	15	-----
Do.....	1.50	75 copper, 25 zinc.....	15	-----
5 ore.....	8.00	95 copper, 4 tin, 1 zinc.....	27	-----
Do.....	6.90	Iron.....	27	-----
2 ore.....	4.00	95 copper, 4 tin, 1 zinc.....	21	-----
Do.....	3.50	Iron.....	21	-----
1 ore.....	2.00	95 copper, 4 tin, 1 zinc.....	16	-----
Do.....	1.70	Iron.....	16	-----

SWITZERLAND

[Coins in active circulation at end of December 1949]

Denomination	Gross weight	Composition (proportion of metals)	Diameter	Thickness
5 francs.....	15	835 silver, 165 copper.....	31	2.6
2 francs.....	10	do.....	27	2.2
1 franc.....	5	do.....	23	1.6
½ franc.....	2.5	do.....	18	1.35
20 centimes.....	4	Nickel.....	21	1.8
Do.....	4	75 copper, 25 nickel.....	21	1.8
10 centimes.....	3	Nickel.....	19	1.55
Do.....	3	75 copper, 25 nickel.....	19	1.55
5 centimes.....	2	Nickel.....	17	1.35
Do.....	2	75 copper, 25 nickel.....	17	1.35
2 centimes.....	3	95 copper, 4 tin, 1 zinc.....	20	1.45
Do.....	2.4	Zinc.....	20	1.45
1 centime.....	1.5	95 copper, 4 tin, 1 zinc.....	16	1.15
Do.....	1.2	Zinc.....	16	1.15

SYRIA

[Coins in active circulation at end of December 1949]

Denomination	Gross weight	Composition (proportion of metals)	Diameter	Thickness
50 piasters.....	10	680 silver, 320 copper.....	28	2
Do.....	5	600 silver, 400 copper.....	24	2
25 piasters.....	5	680 silver, 320 copper.....	24	1.5
Do.....	2.5	600 silver, 400 copper.....	20	1.5
10 piasters.....	2	680 silver, 320 copper.....	17	1
Do.....	4	75 copper, 25 nickel.....	21	1.5
5 piasters.....	4.2	Bronze-aluminum.....	22.5	1.5
Do.....	3	75 copper, 25 nickel.....	19	1.5
2½ piasters.....	2.9	Bronze-aluminum.....	21	1.5
Do.....	2	75 copper, 25 nickel.....	17	1.5
2 plasters.....	1.9	Bronze-aluminum.....	18	1
1 piaster.....	5	Bronze-nickel.....	24	1.5
Do.....	3.5	Zinc.....	24	1.5
½ piaster.....	4	Bronze-nickel.....	21	1.5

SYRIA—Continued

[Coins authorized by decree law No. 76 dated Mar. 11, 1950]

Denomination	Gross weight	Composition (proportion of metal)	Diameter	Thickness
	Grams		Millimeters	Millimeters
Syrian gold pound.....	6.7585½	900 gold, 100 copper.....	21	-----
Half Syrian gold pound.....	3.3792½	.....do.....	19	-----
100 piasters.....	10	680 silver, 320 copper.....	23	-----
50 piasters.....	5	600 silver, 400 copper.....	24	-----
25 piasters.....	2.5	.....do.....	20	-----
10 piasters.....		Nonprecious metal.....		-----
5 piasters.....		.....do.....		-----
2.5 piasters.....		.....do.....		-----
2 piasters.....		.....do.....		-----
1 piaster.....		.....do.....		-----
0.5 piaster.....		.....do.....		-----

Description of Syrian nonprecious metal coins to be fixed by decision to be issued by Minister of Finance.

THAILAND (SIAM)

[Coins in active circulation at end of December 1949]

Baht or tical.....	15	900 silver, 100 copper.....	30	2.45
50 satang.....	7.5	650 silver, 350 copper.....	25	2.00
25 satang.....	3.75	.....do.....	20	1.55
50 satang.....	5	90 tin, 10 copper.....	25	1.85
25 satang.....	2.5	.....do.....	20.5	1.20
20 satang.....	6	.....do.....	22	2.65
Do.....	3	650 silver, 350 copper.....	22	1.20
10 satang.....	2.5	.....do.....	19	1.25
Do.....	3.5	Pure nickel.....	20.5	1.50
Do.....	5	90 tin, 10 copper.....	20	2.00
Do.....	4	.....do.....	20	1.75
Do.....	1.75	.....do.....	17.5	1.15
5 satang.....	3	.....do.....	17.5	1.95
Do.....	2.5	.....do.....	17.5	1.75
Do.....	1.25	.....do.....	15	1.20
Do.....	1.5	650 silver, 350 copper.....	16.5	1.10
Do.....	2	Pure nickel.....	17.5	1.15
1 satang.....	1.5	90 tin, 10 copper.....	15	1.28
Do.....	5	95 copper, 4 tin, 1 zinc.....	22	1.90
Do.....	3.5	.....do.....	20.5	1.50
¼ satang.....	2	.....do.....	19	1.10

Tin coins chiefly used at present in Thailand.

TUNISIA

[Coins in active circulation at end of December 1949]

5 francs.....	12	90/91.5 copper, 8.5/9 aluminum, other, less than 1.	31	-----
2 francs.....	8	.....do.....	27	-----
1 franc.....	4	.....do.....	23	-----
½ franc.....	2	.....do.....	18	-----

TURKEY

[Coins in active circulation at end of December 1949]

Denomination	Gross weight	Composition (proportion of metals)	Diameter	Thickness
	<i>Grams</i>		<i>Mili-meters</i>	<i>Mili-meters</i>
1 lira (pound).....	7.5	600 silver, 400 copper.....	25	1.57
50 kurus (plasters).....	4	.....do.....	20	1.15
25 kurus.....	4.5	70 copper, 30 zinc.....	22.5	1.25
10 kurus.....	6	75 copper, 25 nickel.....	25.5	1.25
Do.....	2.75	70 copper, 30 zinc.....	18	1.35
5 kurus.....	4	75 copper, 25 nickel.....	21.5	1.25
Do.....	2.25	70 copper, 30 zinc.....	16	1.35
2½ kurus.....	3.125	.....do.....	21	1.15
1 kuru.....	2.5	75 copper, 25 nickel.....	18.5	1.18
Do.....	2.25	70 copper, 30 zinc.....	18	1.15

Turkish cupro-nickel coin being withdrawn.

UNION OF SOUTH AFRICA

[Coins in active circulation at end of December 1949]

Crown.....	28.27590	800 silver, 200 copper.....	28.735	2.4000
Half crown.....	14.13795	.....do.....	32.16631	1.727
Florin.....	11.31036	.....do.....	28.6263	1.7052
Shilling.....	5.65518	.....do.....	23.502619	1.2805
Sixpence.....	2.82759	.....do.....	19.32731	0.906
Threepence.....	1.41379	.....do.....	16.20613	0.60273
Penny.....	9.44984	95 copper, 4.5 zinc, 0.5 tin.....	30.91133	1.37151
Halfpenny.....	5.66990	.....do.....	25.52637	1.219
Farthing.....	2.83495	.....do.....	20.11671	0.90051

South African coins also circulate in Basutoland, Bechuanaland, South West Africa, and Swaziland.

URUGUAY

[Coins in active circulation at end of December 1949]

1 peso.....	9	720 silver, 280 copper.....	27	-----
50 centesimos.....	7	.....do.....	24	-----
20 centesimos.....	3	.....do.....	18.5	-----
10 centesimos.....	6	91 copper, 9 aluminum.....	25	-----
5 centesimos.....	5	78 copper, 25 nickel.....	28	-----
Do.....	5	95.5 copper, 3 tin, 1.5 zinc.....	23	-----
2 centesimos.....	3.5	75 copper, 25 nickel.....	30	-----
Do.....	3.5	95.5 copper, 3 tin, 1.5 zinc.....	30	-----
1 centesimo.....	2	75 copper, 25 nickel.....	17	-----

VATICAN CITY

[Coins in active circulation at end of December 1949]

100 Vatican lire.....	5.1966	900 gold.....	30.7	-----
10 Vatican lire.....	3	Aluminum-magnesium-manganese.....	29	-----
5 Vatican lire.....	2.5	.....do.....	27.6	-----
2 Vatican lire.....	1.75	.....do.....	24.1	-----
1 Vatican lira.....	1.25	.....do.....	21.6	-----

100 Vatican lire not coined for circulation.

VENEZUELA

[Coins in active circulation at end of December 1949]

5 bolivares.....	25	900 silver, 100 copper.....	37	2.32
2 bolivares.....	10	835 silver, 165 copper.....	37	1.96
1 bolivar.....	5	.....do.....	35	1.25
½ bolivar.....	2.5	.....do.....	18	0.50
¼ bolivar.....	1.25	.....do.....	16	0.50
12½ centimos.....	5	75 copper, 25 nickel.....	36	1.00
5 centimos.....	2.5	.....do.....	19	1.27

World production of gold, 1944-49, by countries, in fine ounces¹

[Table compiled by the Bureau of Mines, U. S. Department of the Interior]

Country	1944	1945	1946	1947	1948	1949
North America:						
United States (including Alaska) ²	1,022,238	915,403	1,462,354	2,165,318	2,025,480	1,921,949
Canada	2,922,911	2,696,727	2,832,554	3,070,221	3,529,608	4,103,856
Newfoundland ³	14,715	11,767	12,854	11,032		
Central America and West Indies:						
Costa Rica ⁴	3,606	3,054	1,251	1,988	1,096	284
Cuba	39	423	1,105	364	334	5,692
Dominican Republic ⁴	749	486	645	16	29	993
Guatemala ⁴	126	66	36	35	16	5
Haiti	161	473	41			
Honduras	19,774	17,078	12,833	12,037	13,633	25,832
Nicaragua (exports)	222,635	206,360	203,390	213,454	222,627	219,139
Panama					1,000	5,657
Salvador (exports)	22,813	16,526	21,798	10,755	20,778	25,000
Mexico	508,882	499,301	420,500	464,739	367,612	405,550
Total	4,738,600	4,367,200	4,969,400	5,950,000	6,182,200	6,718,000
South America:						
Argentina	5,369	3,381	8,038	6,8,000	6,8,000	6,8,000
Bolivia	6,265	5,888	16,700	20,108	14,063	32,415
Brazil (estimate)	178,300	212,200	175,000	167,000	156,900	183,500
British Guiana	18,986	22,533	19,793	21,111	16,518	19,368
Chile	243,883	180,462	230,880	168,855	164,258	179,144
Colombia	553,530	506,695	437,176	383,027	335,260	359,474
Ecuador	85,039	68,038	75,254	57,250	79,207	99,241
French Guiana	18,583	20,641	19,741	14,918	13,625	15,000
Peru	175,180	172,661	158,378	116,016	111,162	137,963
Surinam	5,723	5,895	4,648	4,134	4,177	3,794
Uruguay	6,1,000	6,1,000				(7)
Venezuela	77,716	76,839	48,558	21,830	49,730	61,378
Total	1,370,000	1,276,000	1,194,000	982,000	943,000	1,100,000
Europe:						
Czechoslovakia	5,014	1,529	1,903	2,090	(7)	(7)
Finland	9,800	6,633	7,327	11,285	11,317	14,050
France	21,959	39,738	48,355	42,407	34,498	47,294
Hungary	8 28,215	193	1,318	1,993	(7)	(7)
Italy	6,334	1,768	8,520	11,253	18,422	
Portugal			6,687	15,754	11,799	(7)
Rumania	74,590	90,987	80,377	74,686	90,000	120,000
Spain	1,961	2,025	3,729	2,714	11,375	30,318
Sweden	112,560	85,585	91,372	75,586	71,889	80,280
U. S. S. R. (estimate) ⁵	4,000,000	5,000,000	6,000,000	7,000,000	7,000,000	7,000,000
Total	4,300,000	5,200,000	6,300,000	7,200,000	7,300,000	7,300,000

See footnotes at end of table.

World production of gold, 1944-49, by countries, in fine ounces¹—Continued

Country	1944	1945	1946	1947	1948	1949
Asia:						
Burma	30	30	2	9	230	(C)
China	25,978	579	424	107,535	17,668	16,607
Formosa	958			8,387		
Cyprus	13					
French Indochina ¹⁰	188,206	168,366	131,775	171,704	180,490	160,902
India	396,579	128,410	43,154	55,029	69,180	84,532
Japan						
Korea:						
North	249,779	96,452	{ 192,000	322,000	(?)	(?)
South			1,269	2,494	3,466	3,419
Malaya	1,212	287	445	5,312	10,212	13,617
Philippines		11 13,490	360	64,441	209,225	287,844
Sarawak	(?)	(?)	17	429	599	(?)
Saudi Arabia	8,683	37,972	48,000	52,000	74,000	67,200
U. S. S. R.	(?)	(?)	(?)	(?)	(?)	(?)
Total	872,000	446,000	418,000	790,000	665,000	684,000
Africa:						
Angola	1,296	822	552	360	443	319
Bechuanaland	11,575	11,297	9,739	7,381	1,507	256
Belgian Congo ¹²	364,204	346,971	331,304	301,445	299,774	333,853
Egypt	1,036	3,014	2,793	2,090	3,853	(?)
Eritrea	169	2,119	3,411	3,674	(?)	(?)
Ethiopia	38,156	56,176	51,528	27,382	41,595	45,102
French Cameroon	20,416	16,300	11,927	11,510	10,706	8,938
French Equatorial Africa	84,106	76,069	71,535	64,044	63,715	57,273
French Guinea	(?)	(?)	4,405	7,395	88,029	(?)
French Morocco	2,572	161		1,029		(?)
French West Africa	8,777	6,945	7,009	5,564	20,512	46,381
Gold Coast	523,225	539,252	585,910	558,011	672,388	657,595
Kenya	42,259	38,517	29,892	21,959	23,429	20,072
Liberia	30,772	9,016	16,506	16,987	13,797	14,656
Madagascar	9,388	6,430	3,890	1,511	2,095	1,663
Mozambique	7,577	7,897	5,766	5,427	5,427	(?)
Nigeria	7,916	8,108	4,881	2,203	2,899	2,515
Northern Rhodesia	307	265	13 6,838	13 779	13 1,180	13 1,186
Sierra Leone	1,026	274	183	2,400	2,193	2,160
Southern Rhodesia	592,729	568,241	544,596	522,735	514,440	528,180
South-West Africa	97	83	67	34	455	32
Sudan	1,820	1,623	3,670	3,725	3,579	4,114
Swaziland	2,209	3,583	4,914	5,037	3,110	2,841
Tanganyika (exports)	55,148	49,302	48,428	47,317	57,557	68,989
Uganda (exports)	2,593	2,295	2,176	1,360	1,158	650

		12,279,629	12,224,629	11,927,165	11,200,281	11,584,849	11,705,048
	Total.....	14,089,000	13,979,000	13,679,000	12,822,000	13,423,000	13,595,000
Oceania:							
Australia:							
Commonwealth		656,867	657,212	824,480	937,654	890,805	896,872
New Guinea				661	69,202	86,556	96,100
Fiji		40,407	94,964	82,402	94,353	93,059	104,036
New Zealand		142,287	128,364	119,271	112,260	93,903	94,856
Total.....		839,561	880,540	1,026,814	1,203,469	1,164,323	1,180,864
World total (estimate) ¹		26,200,000	26,100,000	27,600,000	28,900,000	29,700,000	30,600,000

¹ Figures used derived in part from American Bureau of Metal Statistics. For some countries accurate figures are not possible to obtain owing to clandestine trade in gold. Data not available for Austria, Bulgaria, Germany, Norway, and Yugoslavia; estimate not included in total. In addition, production in Indonesia and Papua was negligible, and Thailand produced none in 1944-47.

² Refinery production. Excludes production of the Philippines.

³ Data revised as recent information states the gold in zinc concentrates is not recoverable.

⁴ Imports into United States.

⁵ Exports.

⁶ Estimate.
⁷ Data not available, estimate included in total.
⁸ Includes gold mined in Transylvania which temporarily formed part of Hungary.

⁹ Output from U. S. S. R. in Asia included with U. S. S. R. in Europe.

¹⁰ Lode only.

¹¹ Figure published by Director of the Mint, representing gold of Philippine origin refined but not necessarily mined during the year.

¹² Includes Rwanda-Urundi.

¹³ Included is yield from Nikana mine refinery slimes accumulated during the war: 6,594 ounces in 1946, 547 in 1947, 969 in 1948, and 972 in 1949.

World production of silver, 1944-49, by countries, in fine ounces¹

[Table compiled by the Bureau of Mines, U. S. Department of the Interior]

Country	1944	1945	1946	1947	1948	1949
North America:						
United States ²	35,651,049	29,046,047	21,103,269	38,587,069	39,228,468	34,944,554
Canada.....	13,627,109	12,942,906	12,544,100	12,504,018	16,109,982	16,937,641
Newfoundland.....	1,163,206	1,076,129	1,107,827	956,052		
Central America and West Indies:						
Costa Rica ³	3,506	1,380	604	1,470	3,029	720
Cuba.....	³ 42,985	³ 107,195	127,222	146,932	185,216	³ 157,411
Honduras.....	3,115,352	3,003,495	2,682,910	2,413,399	3,170,871	3,431,614
Nicaragua (exports).....	248,529	240,197	260,637	213,417	212,463	206,507
Salvador.....	4 305,922	⁴ 223,705	⁴ 313,180	⁴ 265,104	⁴ 216,342	³ 275,075
Mexico.....	65,460,073	61,097,727	43,263,132	58,843,863	57,519,703	49,447,842
Total.....	119,618,000	107,739,000	81,403,000	113,931,000	116,646,000	105,401,000
South America:						
Argentina ⁵	1,695,000	2,760,000	3,090,000	2,435,400	1,201,900	1,249,421
Bolivia (exports).....	6,797,631	6,683,561	6,106,165	6,233,354	7,562,208	6,634,627
Brazil.....	28,722	28,385	21,968	20,293	23,095	21,041
Chile.....	996,544	825,438	557,333	747,055	861,961	799,685
Colombia.....	197,323	168,699	151,971	110,352	109,188	106,500
Ecuador.....	441,345	235,500	192,200	156,931	226,664	279,247
Peru.....	15,832,440	12,997,741	12,334,150	10,782,909	9,288,777	10,627,717
Total.....	25,989,000	23,699,000	22,454,000	20,486,000	19,274,000	19,718,000
Europe:						
Austria.....	13,960				(6)	(6)
Czechoslovakia ⁴	675,000	300,000	600,000	1,400,000	1,600,000	(6)
Finland.....	90,344	45,236	146,929	188,821	167,615	171,150
France.....	240,134	350,025	535,213	474,320	494,403	395,445
Germany (Federal Republic).....	(6)	(6)	(6)	(6)	⁷ 867,459	1,601,782
Hungary.....	⁵ 614,300	⁵ 3,200	14,854	(6)	(6)	(6)
Italy.....	81,052	1,382	125,709	337,936	663,270	793,545
Norway.....	170,399	131,818	202,550	228,270	215,410	144,700
Portugal.....				7,395	35,366	(6)
Rumania.....	71,310	189,689	(6)	481,264	(6)	(6)
Spain.....	778,016	497,661	669,009	638,192	339,396	514,090
Sweden.....	1,292,299	1,135,178	1,294,935	1,088,656	1,137,943	1,140,708
United Kingdom.....	34,600	27,517	23,285	23,522	25,000	(6)
Total (estimate).....	15,000,000	12,000,000	13,000,000	15,000,000	17,000,000	19,000,000

Asia:	Burma	127,873	(6)	3,156	(6)	108	(6)	1,747	(6)	1,856	(6)	1,450,000	(6)	7,042	(6)
	China	4,882						9,821		1,242		12,797		2,185,672	
	Formosa	14,290		14,154		1,281,625		1,792,050		2,185,672		2,887,265			
	Cyprus			7,405,634	4,286,121	{		128,600	128,600	38,689	(6)	38,505	(6)	18,932	(6)
	India							27,572		54,940	(6)	150,760	(6)	218,419	(6)
	Japan							3,600		49,805	(6)				
	Korea:							31,307							
	North														
	South														
	Philippines														
	Saudi Arabia														
	Total (estimate)			10,000,000	4,500,000			1,500,000		2,200,000		3,000,000		3,200,000	
Africa:															
	Algeria	48,612		14,661		39,996		24,435		1,086		233		23	
	Bechuanaland	1,319		1,227		1,704		4,067		295		3,805,619		4,549,330	
	Belgian Congo	2,752,813	4,	141,016	5,047,	666	4,067,	295	356,712	(6)	41,000			(6)	
	French Morocco	65,427		107,600	36,666	117,157		41,329		3,859		38,887		2,279	
	Gold Coast (exports)	56,820		36,666	54,525	5,493		3,859		3,184					
	Kenya	11,500		16,659	998	805		805		712					
	Mozambique	844		1,079	1,106	666		2,130		4,270					
	Nigeria				2,289	634,392		9,73,277		145,865		134,920		484	
	Northern Rhodesia				95,975	95,168		91,900		81,404		84,495			
	Southern Rhodesia							4,390,000		323,647		642,500			
	South-West Africa									124		120			
	Swaziland														
	Tanganyika (exports)	78		163		21,377		21,096		20,794		25,010		27,631	
	Tunisia	17,120		34,369	34,369	60,122		53,852		87				156,638	
	Uganda (exports)	35,205		306	275	205		1,207,373		1,147,694		1,170,951		1,159,375	
	Union of South Africa	1,213,051		1,243,426											
	Total	4,288,000		5,718,000		7,287,000		6,266,000		5,800,000		7,000,000			
Oceania:															
	Australia:														
	Commonwealth	9,365,726		8,076,740		9,045,280		9,527,140		10,057,519		9,849,213			
	New Guinea							10,31,421		29,187					
	Fiji							20,368		33,237		29,755			
	New Zealand							244,544		221,984		232,563			
	Total	9,703,000		8,351,000		9,296,000		9,818,000		10,351,000		10,142,000			
	World total (estimate)	184,600,000		162,000,000		135,000,000		167,700,000		172,000,000		164,500,000			

¹ Silver is also produced in Bulgaria, Greece, Hong Kong, Federation of Malaya, Indonesia, Poland, Sarawak, Sierra Leone, Turkey, U. S. S. R., and Yugoslavia; production data are not available, but estimates are included in total.
² Excludes the Philippines.
³ Imports into the United States. Scrap is included in this figure in many instances, most notably in the case of Cuba.

⁴ Exports.
⁵ Data not available; estimate included in total.
⁶ American and British zones only.
⁷ Data represent Trianon Hungary after October 1944.
⁸ Recovered from an accumulation of refinery slimes.
⁹ Fiscal year ended May 31 of year following that stated.

Coinage of nations during the year ended Dec. 31, 1948 (part)

[See Report of the Director of the United States Mint for the fiscal year ended June 30, 1949, for coinage of other countries for 1948]

Country	Denomination	Number of pieces coined	Nominal value in monetary unit of issuing country	Composition
Australia-----	Florin-----	12,000	1,200-0-0 pounds-----	500 silver, 400 copper, 50 nickel, 50 zinc.
	Shilling-----	4,132,000	206,600-0-0 pounds-----	Do.
	Sixpence-----	1,584,000	39,600-0-0 pounds-----	Do.
	Threepence-----	26,208,000	327,600-0-0 pounds-----	Do.
	Penny-----	21,432,000	89,300-0-0 pounds-----	95.5 copper, 3 tin, 1.5 zinc.
	Halfpenny-----	26,860,800	55,960-0-0 pounds-----	Do.
Total-----		80,228,800	720,260-0-0 pounds-----	
British East Africa.	1 shilling-----	3,464,545	173,227-5-0 pounds-----	75 nickel, 25 copper.
British West Africa (revised).	1 shilling-----	15,800,000	790,000-0-0 pounds-----	79 copper, 20 zinc, 1 nickel.
	Tenthpenny-----	4,202,400	1,751-0-0 pounds-----	75 copper, 25 nickel.
Total-----		20,002,400	791,751-0-0 pounds-----	
Costa Rica (revised).	2 colones-----	2,500,000	5,000,000.00 colones-----	75 copper, 25 nickel.
	1 colon-----	1,350,000	1,350,000.00 colones-----	Do.
	50 centimos-----	4,000,000	2,000,000.00 colones-----	Do.
	25 centimos-----	1,600,000	400,000.00 colones-----	Do.
	10 centimos-----	710,000	71,000.00 colones-----	95 copper, 4 zinc, 1 tin.
	5 centimos-----	2,000,000	100,000.00 colones-----	Do.
Total-----		12,160,000	8,921,000.00 colones-----	
France-----	10 francs-----	196,444,500	1,964,445,000.00 francs-----	75 copper, 25 nickel.
	5 francs-----	132,520,400	662,602,000.00 francs-----	Do.
	2 francs-----	71,444,500	142,889,000.00 francs-----	Aluminum.
	1 franc-----	141,573,000	141,573,000.00 francs-----	Do.
Total-----		541,982,400	2,911,509,000.00 francs-----	
French Equatorial Africa.	1 franc-----	2,294,000	2,294,000.00 francs-----	Do.
French Occidental Africa.	2 francs-----	3,156,000	6,312,000.00 francs-----	Do.
	1 franc-----	12,481,000	12,481,000.00 francs-----	Do.
Total-----		15,637,000	18,793,000.00 francs-----	
Hong Kong-----	10 cents-----	6,750,000	675,000.00 H. K. dollars.	79 copper, 20 zinc, 1 nickel.
Indochina-----	1 piastre-----	15,261,250	15,261,250.00 piastres-----	Cupro-nickel.
Iraq-----	1 fl-----	4,000,000	4,000.00 dinars-----	95.5 copper, 3 tin, 1.5 zinc.
Ireland-----	Sixpence-----	800,000	20,000-0-0 pounds-----	75 copper, 25 nickel.
	Threepence-----	1,600,000	20,000-0-0 pounds-----	Do.
	Penny-----	4,800,000	20,000-0-0 pounds-----	95.5 copper, 3 tin, 1.5 zinc.
Total-----		7,200,000	60,000-0-0 pounds-----	
Israel-----	25 mils-----	119,657	2,991.425 pounds-----	Aluminum.
Jamaica, British West Indies.	Penny-----	480,000	2,000-0-0 pounds-----	79 copper, 20 zinc, 1 nickel.
	Halfpenny-----	960,000	2,000-0-0 pounds-----	Do.
	Farthing-----	192,000	200-0-0 pounds-----	Do.
Total-----		1,632,000	4,200-0-0 pounds-----	
Jersey-----	Penny-----	204,000	850-0-0 pounds-----	95.5 copper, 3 tin, 1.5 zinc.
	Halfpenny-----	72,000	150-0-0 pounds-----	Do.
Total-----		276,000	1,000-0-0 pounds-----	

Coinage of nations during the year ended Dec. 31, 1948 (part)—Continued

Country	Denomination	Number of pieces coined	Nominal value in monetary unit of issuing country	Composition
Malaya	20 cents	24,818,018	4,963,605.00 M. dollars	75 copper, 25 nickel.
	10 cents	23,885,374	2,388,537.00 M. dollars	Do.
	5 cents	21,735,529	1,086,776.00 M. dollars	Do.
Total		70,438,921	8,438,918.00 M. dollars	
Maroc	10 francs	5,306,000	53,060,000.00 francs	Cupro-nickel.
New Zealand (revised).	Crown	200,000	50,000-0-0 pounds	500 silver, 400 copper, 50 zinc, 50 nickel.
	Half crown	1,400,000	175,000-0-0 pounds	75 copper, 25 nickel.
	Florin	1,750,000	175,000-0-0 pounds	Do.
	Shilling	1,000,000	50,000-0-0 pounds	Do.
	Sixpence	2,000,000	50,000-0-0 pounds	Do.
	Threepence	4,000,000	50,000-0-0 pounds	Do.
	Penny	120,000	500-0-0 pounds	95.5 copper, 3 tin, 1.5 zinc.
Total		10,470,000	550,500-0-0 pounds	
Palestine	2 mils	480,000	960-0-0 pounds	95.5 copper, 3 tin, 1.5 zinc.
	1 mil	2,880,000	2,880-0-0 pounds	Do.
Total		3,360,000	3,840-0-0 pounds	
Saint-Pierre et Miquelon.	2 francs	300,000	600,000.00 francs	Aluminum.
	1 franc	600,000	600,000.00 francs	Do.
Total		900,000	1,200,000.00 franc	
Seychelles	5 cents	300,000	15,000.00 rupees	95.5 copper, 3 tin, 1.5 zinc.
	2 cents	350,000	7,000.00 rupees	Do.
	1 cent	300,000	3,000.00 rupees	Do.
Total		950,000	25,000.00 rupees	
Togo	2 francs	5,000,000	10,000,000.00 francs	Aluminum.
	1 franc	5,000,000	5,000,000.00 francs	Do.
Total		10,000,000	15,000,000.00 francs	
Tunisia		33 53 1,103	Value not indicated	Pieces of gold. Pieces of silver. Do.
United Kingdom (revised)	Halfcrown	71,164,703	8,895,588-0-0 pounds	75 copper, 25 nickel.
	Florin	67,553,636	6,755,363-0-0 pounds	Do.
	Shilling	45,576,923	2,278,845-0-0 pounds	Do.
	Sixpence	88,323,540	2,208,088-0-0 pounds	79 copper, 20 zinc, 1 nickel.
	Threepence	4,230,400	52,880-0-0 pounds	95.5 copper, 3 tin, 1.5 zinc.
	Penny	63,961,200	266,505-0-0 pounds	Do.
	Halfpenny	26,947,200	56,140-0-0 pounds	Do.
	Farthing	16,622,400	17,315-0-0 pounds	Do.
	Maundy money			
	Fourpence	1,385	23-0-0 pounds	925 silver, 75 copper.
	Threepence	1,491	19-0-0 pounds	Do.
	Twopence	1,385	11-0-0 pounds	Do.
	Penny	1,397	6-0-0 pounds	Do.
Total		384,385,660	20,530,783-0-0 pounds	

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